

Interacting partner 1				Interacting partner 2			
Gene ID	CC	embryo	uterus	Gene ID	CC	embryo	uterus
A2M	signaling molecule		x	ADAMTS1, MMP2	extracellular matrix	x	x
SPRY2	signaling molecule	x	x	ADAMTSL4	extracellular region		x
KCNH1	membrane	x	x	ALG10	membrane		x
COL4A2	extracellular matrix	x	x	ANTXR2	receptor		x
APBB1	signaling molecule		x	APP	signaling molecule	x	x
A2M	signaling molecule		x	ARHGDIA, ARHGDIB, APP, PLEKHG2, TGFBI	signaling molecule	x	x
CASK	membrane	x	x	ARHGEF7	signaling molecule		x
G3BP2	signaling molecule	x	x	ARHGEF9	signaling molecule		x
TRIP10	signaling molecule	x	x	ARHGEF9	signaling molecule		x
MYO9B	membrane	x	x	ARHGEF9, TRIO	signaling molecule		x
DAB2, DVL1	signaling molecule	x	x	AXIN1	membrane		x
DVL2, JUP	membrane	x	x	AXIN1	membrane		x
CTNNB1	membrane	x	x	AXIN1, AXIN2, GNA13	membrane		x
CTNNB1	membrane	x	x	BOC, CD82, TGFBR2	receptor		x
CASK	membrane	x	x	CADM1	receptor		x
DLG4	transmembrane receptor		x	CASK, ERBB2IP, FZD1, FZD2, FZD4, IL13RA1, LIN7B, LRP1	membrane	x	x
APP	signaling molecule	x	x	CAV1	transmembrane receptor		x
BSG	membrane	x	x	CAV1	transmembrane receptor		x
CCBP2	receptor		x	CCL28	signaling molecule	x	x
GRB2	transmembrane receptor	x	x	CCL5	signaling molecule		x
CDH3	membrane	x		CD2AP	signaling molecule	x	x
PKD2	signaling molecule		x	CD2AP	signaling molecule	x	x
CD2	receptor		x	CD2AP, LGALS1	signaling molecule	x	x
CD3D	receptor		x	CD3E	receptor	x	x
CD3E	receptor	x	x	CD3G	receptor		x
ITGB1	extracellular region	x	x	CD46, CD82, JAM2, JAM3, LGALS3BP, TSPAN4, VCAM1	receptor		x
CD9	receptor	x	x	CD53, CD82, TSPAN4	receptor		x
C3	signaling molecule		x	CD81, LRP1	receptor	x	x
CD151, CD63	receptor	x	x	CD82	receptor		x
HBEGF	signaling molecule	x	x	CD82	receptor		x
CD81	receptor	x	x	CD82, TSPAN4	receptor		x
COL4A5	extracellular matrix	x	x	CD93	extracellular region		x
COL1A1	extracellular matrix	x	x	CD93, COL5A3, GP1BB, VWF, PRELP	extracellular region		x
CAV1	transmembrane receptor		x	CDH1, GJA1, GNAI2, LRP1	membrane	x	x
ARVCF	membrane		x	CDH1, TJP1	membrane	x	x
CTNNB1, CTNND1	membrane	x	x	CDH24	membrane	x	

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CDH1	membrane	x	x	CDH3	membrane	x	
BGN	extracellular matrix	x	x	CHRD	extracellular region		x
PLAT	extracellular region	x	x	CLEC3B	extracellular region		x
PLG	extracellular region	x	x	CLEC3B	extracellular region		x
BMP1	extracellular region		x	COL1A1, HSPG2, LAMC2	extracellular matrix	x	x
C1QA	extracellular region		x	COL2A1, DCN, FN1	extracellular matrix	x	x
CD36	receptor	x	x	COL6A1	extracellular region		x
COL2A1	extracellular matrix	x	x	COL6A1, CD93, PRELP	extracellular region		x
COL2A1	extracellular matrix	x	x	COL9A2	receptor	x	
MPP5	membrane		x	CRB3	receptor	x	x
PTN	signaling molecule		x	CRELD1	extracellular region	x	x
CISH	signaling molecule	x	x	CSF2RB	receptor		x
CDH11	membrane	x		CTNNB1	membrane	x	x
CDH2, CDH3	membrane	x		CTNNB1, CTNND1, JUP	membrane	x	x
CDH5	membrane		x	CTNNB1, CTNND1, JUP, PKP4, P2RX4	membrane	x	x
COL17A1	extracellular region		x	CTNND1	membrane	x	x
CXCR3	receptor		x	CXCL10	signaling molecule	x	x
PTPRC	receptor		x	CXCR4	receptor	x	x
CCR5	receptor		x	CXCR4, GNAI2, GNAI3, MYH9	membrane	x	x
DLG3	transmembrane receptor	x	x	DLG4, DLGAP4	transmembrane receptor		x
ADAMTSL4	extracellular region		x	DLK2	extracellular region	x	x
DLK1	extracellular region		x	DLL1	receptor	x	x
FGF9	signaling molecule		x	DLL1	receptor	x	x
NOTCH2, NOTCH3, JAG2	receptor		x	DLL1	receptor	x	x
JAG1	receptor		x	DLL1, PSEN1, PSEN2	membrane	x	x
DLL1	receptor	x	x	DLL4	receptor		x
PSEN1, PSEN2	membrane	x	x	DLL4	receptor		x
DCN	extracellular matrix	x	x	DPT	extracellular region		x
SSRP1	signaling molecule	x	x	ELL	membrane		x
EMILIN1	extracellular region	x	x	EMILIN2	extracellular region		x
ARVCF	membrane		x	ERBB2IP	receptor	x	x
CDH2	membrane	x		ERBB2IP	receptor	x	x
SHOC2	receptor		x	ERBB2IP	receptor	x	x
ITGB2	extracellular region		x	F11R	receptor	x	x
FAS	receptor	x	x	F3	receptor		x
C4A	signaling molecule		x	F8	extracellular matrix	x	x
F3	receptor		x	F8	extracellular matrix	x	x
C3F5	extracellular region		x	F8, GP1BA	extracellular matrix	x	x
FGB, FGG	extracellular region	x		FN1	extracellular region	x	x

Interacting partner 1				Interacting partner 2			
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FGA	extracellular region	x		FN1, PLAT	extracellular region	x	x
DSG3	membrane	x		FURIN	extracellular region	x	x
NOTCH2, NOTCH3	receptor		x	FURIN	extracellular region	x	x
WNT5A	extracellular region		x	FZD1	membrane	x	x
LRP5	membrane		x	FZD8	membrane	x	x
KALRN	signaling molecule	x		G3BP2, PLEKHG2, TRIP10	signaling molecule	x	x
ARHGEF7	signaling molecule		x	G3BP2, TRIP10	signaling molecule	x	x
TNFRSF1B	receptor		x	GBF1, SLC25A11	membrane	x	x
BMPR2	receptor		x	GCCR	receptor	x	x
GCG	signaling molecule		x	GCCR	receptor	x	x
GJA1	membrane	x	x	GJA5	membrane		x
GJB1	membrane	x	x	GJB2	membrane	x	
CDH1, CXCR4, GNAI2, GNAI3	membrane	x	x	GNA13	membrane		x
GNAS	membrane	x	x	GNA13, RGS2	membrane		x
F2R	receptor	x	x	GNA13, UCP2	membrane		x
CNR1	receptor		x	GNAI2, GNAI3	membrane	x	x
GCG	signaling molecule		x	GNAS	membrane	x	x
F8, GP1BA	extracellular matrix	x	x	GP1BB, VWF	extracellular region		x
ADM	signaling molecule	x	x	GPR182	receptor	x	
RAMP2	receptor	x	x	GPR182	receptor	x	
ELK1	signaling molecule	x	x	GRB10	transmembrane receptor		x
GHR	receptor	x	x	GRB10	transmembrane receptor		x
ADRB2, EGF	receptor		x	GRB2	transmembrane receptor	x	x
FGF9	signaling molecule		x	GRB2	transmembrane receptor	x	x
CAV1	transmembrane receptor		x	GRB7, CAV2	transmembrane receptor	x	x
FGG	extracellular region	x		GSTO1	signaling molecule	x	x
AGER	receptor		x	HMGB1, S100P, S100A1	signaling molecule	x	x
ITPR1	receptor		x	HOMER3	signaling molecule	x	x
IL6ST	receptor		x	IL11RA	receptor	x	x
IL2RG	receptor	x	x	IL15	signaling molecule		x
IL1RN	signaling molecule	x	x	IL1R2	receptor	x	
IL1R1	receptor		x	IL1RN	signaling molecule	x	x
CSF2RB	receptor		x	IL3RA	receptor	x	x
CD40	receptor		x	IL4R	receptor	x	x
CNTF	signaling molecule	x	x	IL6R, IL6ST	receptor		x
CTF1	signaling molecule	x	x	IL6ST	receptor		x
IL1R1	receptor		x	IRAK1, SIGIRR	receptor	x	x
IRAK1	receptor	x	x	IRAK4	receptor		x
TLR1	extracellular matrix	x	x	IRAK4	receptor		x

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TNC	extracellular region	x		ITGB1	extracellular region	x	x
ITGB1	extracellular region	x	x	ITGB1BP2	signaling molecule		x
RARG	receptor	x	x	ITGB1BP2	signaling molecule		x
CD63	receptor	x	x	ITGB2	extracellular region		x
ICAM3	signaling molecule	x	x	ITGB2	extracellular region		x
COL17A1	extracellular region		x	ITGB4	extracellular region	x	x
BCL2L1	signaling molecule	x	x	ITPR1	receptor		x
ITPR1	receptor		x	ITPR3	receptor	x	x
TJP1	membrane	x	x	JAM2	receptor		x
TJP1	membrane	x	x	JAM3	receptor		x
DSG3	membrane	x		JUP, PKP3	membrane	x	x
ARHGDI A, ARHGDI B	signaling molecule	x	x	KALRN	signaling molecule	x	
MYO9B	membrane	x	x	KALRN	signaling molecule	x	
CDH1	membrane	x	x	KLRG1	receptor		x
AP2A1	transmembrane receptor	x	x	L1CAM	receptor		x
CD3E	receptor	x	x	LAG3	receptor		x
NID1	receptor	x		LAMA1	extracellular matrix	x	x
COL6A1	extracellular region		x	LAMB1	extracellular matrix	x	x
LAMB3	extracellular region		x	LAMC2	extracellular matrix	x	x
LAMB1	extracellular matrix	x	x	LAMC3	extracellular region		x
LDLR	receptor	x	x	LDLRAP1	signaling molecule		x
APP	signaling molecule	x	x	LDLRAP1, MAPK8IP1, NUMB, NUMBL	signaling molecule		x
KLRG1	receptor		x	LEPROTL1	receptor	x	x
CD7	receptor		x	LGALS1	signaling molecule	x	x
FN1	extracellular region	x	x	LGALS3BP	receptor		x
LGALS3	signaling molecule	x	x	LGALS3BP	receptor		x
LGALS1	signaling molecule	x	x	LGALS3BP, PTPRC	receptor		x
IL6ST	receptor		x	LIF, SOCS3	signaling molecule	x	x
BAIAP2	receptor		x	LIN7B, LIN7C	membrane	x	x
DPT	extracellular region		x	LOX	receptor	x	x
COL2A1	extracellular matrix	x	x	LOXL4	receptor		x
DLG3	transmembrane receptor	x	x	LPHN1	receptor		x
A2M, APBB1	signaling molecule		x	LRP1	receptor	x	x
C4BPA, CD82	receptor		x	LRP1	receptor	x	x
DAB2	signaling molecule	x	x	LRP2	receptor	x	
DLG3	transmembrane receptor	x	x	LRP2	receptor	x	
CNTF	signaling molecule	x	x	LRPPRC	receptor	x	
HBEGF	signaling molecule	x	x	LTBP3	extracellular region		x
ITGB5	extracellular region	x	x	LTBP3	extracellular region		x

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TGFB1	signaling molecule	x	x	LTBP4	extracellular region		x
LTA	receptor activity		x	LTBR, TNFRSF1A	receptor	x	x
IRAK1	receptor	x	x	LY96	transmembrane receptor		x
TLR1	extracellular matrix	x	x	LY96	transmembrane receptor		x
AP1G1	transmembrane receptor		x	M6PR	receptor	x	x
FZD4	membrane	x	x	MAGI3	membrane		x
ITGB7	extracellular region	x	x	MAPK8IP1	signaling molecule		x
LRP1	receptor	x	x	MAPK8IP1	signaling molecule		x
LRP1	receptor	x	x	MAPK8IP2	signaling molecule	x	
IL1B	signaling molecule	x		MMP2	extracellular matrix	x	x
BDNF	signaling molecule	x	x	NCAM1	receptor		x
NR1D2	receptor		x	NCOA5	receptor	x	x
SP110	signaling molecule		x	NDUFV2	membrane	x	x
APP	signaling molecule	x	x	NID1	receptor	x	
COL1A1, HSPG2, LAMB1, LAMC1, LAMC2	extracellular matrix	x	x	NID1	receptor	x	
ADM	signaling molecule	x	x	NPPC	signaling molecule	x	
RARA	receptor		x	NR1H2	receptor	x	x
PPARA, RARA	receptor		x	NR1H3	receptor	x	x
NR2C1, RXRB	receptor	x	x	NR2C2	receptor		x
RXRA	receptor	x	x	NR2F1	receptor		x
BDNF	signaling molecule	x	x	NTF3, NTF4	signaling molecule	x	
AP2A1	transmembrane receptor	x	x	NUMB	signaling molecule		x
ITGB5	extracellular region	x	x	NUMB	signaling molecule		x
GNAI3	membrane	x	x	P2RY13	receptor		x
CD47	receptor	x	x	P2RY2	receptor		x
ITGB5	extracellular region	x	x	P2RY2	receptor		x
MPP5	membrane		x	PARD6B	membrane	x	x
LDLR	receptor	x	x	PF4	signaling molecule	x	
HMGB2	signaling molecule	x	x	PGR	receptor		x
GRB2	transmembrane receptor	x	x	PIK3C2B, RASA1	membrane		x
CDH1, JUP	membrane	x	x	PKD1	signaling molecule		x
COL2A1	extracellular matrix	x	x	PKD1	signaling molecule		x
CTNNB1	membrane	x	x	PKD1	signaling molecule		x
FN1	extracellular region	x	x	PKD1	signaling molecule		x
LAMA3	extracellular region		x	PLAT, PLG	extracellular region	x	x
ITPR1	receptor		x	PLCG1	signaling molecule	x	x
APOH	receptor	x		PLG	extracellular region	x	x
C7, F3	receptor		x	PLG	extracellular region	x	x

Interacting partner 1				Interacting partner 2			
Gene ID	CC	embryo	uterus	Gene ID	CC	embryo	uterus
CHGA	signaling molecule		x	PLG	extracellular region	x	x
CP	extracellular region		x	PLG	extracellular region	x	x
PTN	signaling molecule		x	PLXNB2	receptor	x	x
FURIN	extracellular region	x	x	PMCH	signaling molecule	x	
ITGB5	extracellular region	x	x	PPARD	receptor	x	
DLGAP4	transmembrane receptor		x	PPP1R1B	signaling molecule	x	x
FN1, HSPG2	extracellular region	x	x	PRELP	extracellular region		x
SSTR1	receptor		x	PRMT5	signaling molecule	x	x
APBB1	signaling molecule		x	PSEN1	membrane	x	x
NOTCH2, NOTCH3	receptor		x	PSEN1	membrane	x	x
JAG2	receptor		x	PSEN1, PSEN2	membrane	x	x
NOTCH2, NOTCH3	receptor		x	PSEN2	membrane	x	x
SMO	membrane	x	x	PTCH2	receptor		x
GNAS	membrane	x	x	PTGDR	receptor		x
GRB2	transmembrane receptor	x	x	PTPRA, PTPRC	receptor		x
IAPP	signaling molecule		x	RAMP2	receptor	x	x
CAV2	transmembrane receptor	x	x	RASA1	membrane		x
PLCG1	signaling molecule	x	x	RASA1	membrane		x
GNAI3	membrane	x	x	RGS10, RGS16	membrane	x	
GNAI2	membrane	x	x	RGS16	membrane	x	
ACVR1, PPARA, NR4A1, NR4A2, RARA	receptor		x	RXRA	receptor	x	x
PPARD, PPARG	receptor	x		RXRA	receptor	x	x
NR4A2	receptor		x	RXRB	receptor	x	x
PPARD	receptor	x		RXRB	receptor	x	x
RARA	receptor		x	RXRB	receptor	x	x
MYH9, MYH10	membrane	x	x	S100A4	signaling molecule		x
NOV, S100A1	signaling molecule	x	x	S100A4	signaling molecule		x
S100A2, S100A4	signaling molecule		x	S100P	signaling molecule	x	x
LRP2	receptor	x		SCGB1A1	signaling molecule	x	x
ARHGEF7	signaling molecule		x	SCRIB	receptor	x	x
PTN	signaling molecule		x	SDC1	extracellular region	x	x
CCL5	signaling molecule		x	SDC1, SDC4	extracellular region	x	x
DLG4	transmembrane receptor		x	SEMA4C	signaling molecule	x	x
PTPRC	receptor		x	SEMA4D	signaling molecule	x	x
FN1	extracellular region	x	x	SFRP2	membrane	x	
CDH5	membrane		x	SHC1	signaling molecule	x	x
CSF2RB, FCGR1A	receptor		x	SHC1	signaling molecule	x	x
TLR4	extracellular region		x	SIGIRR	receptor	x	x

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PTN	signaling molecule		x	SLC25A36	membrane	x	x
PTCH1	receptor		x	SMO	membrane	x	x
RASA1	membrane		x	SOCS3, SHC1, G3BP1	signaling molecule	x	x
ACVR1	receptor		x	SOCS6	signaling molecule	x	x
TRAF2	signaling molecule		x	SPRY2, ZFAND6	signaling molecule	x	x
PSEN1	membrane	x	x	STX1A	membrane	x	
DLG3	transmembrane receptor	x	x	SYNGAP1	membrane		x
TRIP6	membrane	x	x	SYNGAP1	membrane		x
TAP1	membrane	x	x	TAP2	membrane		x
TAP2	membrane		x	TAPBP	receptor	x	x
DPT, LTBP3	extracellular region		x	TGFB1	signaling molecule	x	x
ACVRL1, ENG, F3	receptor		x	TGFB1	signaling molecule	x	x
CTGF	signaling molecule	x	x	TGFB3	signaling molecule		x
FMOD	extracellular region	x	x	TGFB3	signaling molecule		x
DAB2, TGFB1	signaling molecule	x	x	TGFB2	receptor		x
NR2F1	receptor		x	THRA	receptor	x	x
HMGB1	signaling molecule	x	x	TLR2, TLR4	extracellular region		x
IRAK1	receptor	x	x	TLR2, TLR4, TLR6	extracellular region		x
TLR1	extracellular matrix	x	x	TLR2, TLR4, TLR6	extracellular region		x
FN1	extracellular region	x	x	TNC	extracellular region	x	
TRAF1, TRAF2, TRAF3, TRAF5	signaling molecule		x	TNFRSF11A	receptor	x	x
F3	receptor		x	TNFRSF1A	receptor	x	x
ATP5A1	receptor	x	x	TNFRSF1B	receptor		x
SLC25A1, SLC25A3, SLC25A4, SLC25A5, MYH10, MYH9, MYO6	membrane	x	x	TNFRSF1B	receptor		x
FAS	receptor	x	x	TNFSF10	receptor activity		x
SLC25A5	membrane	x	x	TRAF1, TRAF2	signaling molecule		x
DVL2	membrane	x	x	TRAF2	signaling molecule		x
FAS	receptor	x	x	TRAF2	signaling molecule		x
TNFRSF1A	receptor	x	x	TRAF2, TRAF1	signaling molecule		x
LTBR	receptor	x	x	TRAF2, TRAF3, TRAF5	signaling molecule		x
TRIO	signaling molecule		x	TRIP10, G3BP2	signaling molecule	x	x
TLR2	extracellular region		x	TRIP6	membrane	x	x
LDLR	receptor	x	x	UCP2	membrane		x
PLG, SDC1	extracellular region	x	x	UCP2	membrane		x
NDUFS1, NDUFV2, PSEN1, PSEN2, PIK3CA, PIK3CB	membrane	x	x	UCP2	membrane		x
S100A4	signaling molecule		x	UNC119	receptor	x	x
ITGB7	extracellular region	x	x	VCAM1	receptor		x

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Gene ID	CC	embryo	uterus	Gene ID	CC	embryo	uterus
SEMA3F	signaling molecule	x		VEGFA	signaling molecule	x	x
FURIN	extracellular region	x	x	VWF	extracellular region		x
TNFRSF1B	receptor		x	XPO1, XPO5	receptor	x	x
F5	extracellular region	x		FGB	extracellular region	x	
F5	extracellular region	x		FGA	extracellular region	x	
F5	extracellular region	x		FGG	extracellular region	x	
ARVCF	membrane	x		CDH2	membrane	x	
CDH2	membrane		x	GNA13	membrane		x
CDH2	membrane		x	BOC	receptor		x
CDH5	membrane	x		FGA	extracellular region	x	
CDH5	membrane	x		FGB	extracellular region	x	
RGS16	membrane		x	GNA13	membrane		x
STX1A	membrane		x	UNC13B	receptor		x
ADRB2	receptor	x		IL1B	signaling molecule	x	
AGER	receptor	x		S100A12	signaling molecule	x	
APOH	receptor		x	LRP8	receptor		x
CRLF1	receptor		x	CLCF1	signaling molecule		x
CXCR3	receptor	x		PF4	signaling molecule	x	
IFNAR1	receptor	x		IFNW1	signaling molecule	x	
LGALS3BP	receptor	x		NID1	receptor	x	
LRP2	receptor		x	MAPK8IP1	signaling molecule		x
LRP2	receptor		x	LDLRAP1	signaling molecule		x
NID1	receptor		x	PRELP	extracellular region		x
A2M	signaling molecule	x		KALRN	signaling molecule	x	
A2M	signaling molecule	x		IL1B	signaling molecule	x	
APBB1	signaling molecule	x		LRP2	receptor	x	
ARHGEF7	signaling molecule	x		KALRN	signaling molecule	x	
IFNA1	signaling molecule	x		IFNAR1	receptor		x
IFNA1	signaling molecule	x		IFNAR2	receptor		x
IL1B	signaling molecule		x	IL1R1	receptor		x
KALRN	signaling molecule		x	ARHGEF9	signaling molecule		x
MAPK8IP1	signaling molecule	x		MAPK8IP2	signaling molecule	x	
PF4	signaling molecule		x	CCL5	signaling molecule		x
PTK6	signaling molecule	x		STAP2	receptor	x	
RLN	signaling molecule	x		RXFP1	extracellular region		x
TRIO	signaling molecule	x		KALRN	signaling molecule	x	
CAV1	transmembrane receptor	x		GJB2	membrane	x	
DLG4	transmembrane receptor	x		LRP2	receptor	x	