

Gene Name	Description	Ref. Sequence	Fold Change	
			SK-OV-3	OVCAR-3
ABCF1	ATP-binding cassette, sub-family F (GCN20), member 1	NM_001090	-	-
BCL6	B-cell CLL/lymphoma 6 (zinc finger protein 51)	NM_001706	-	-
C3	Complement component 3	NM_000064	-	-1.54
C4A	Complement component 4A (Rodgers blood group)	NM_007293	-	-
C5	Complement component 5	NM_001735	13.74	-
CCL1	Chemokine (C-C motif) ligand 1	NM_002981	-	-
CCL11	Chemokine (C-C motif) ligand 11	NM_002986	-	-
CCL13	Chemokine (C-C motif) ligand 13	NM_005408	-	-
CCL15	Chemokine (C-C motif) ligand 15	NM_032965	-	-
CCL16	Chemokine (C-C motif) ligand 16	NM_004590	-	-
CCL17	Chemokine (C-C motif) ligand 17	NM_002987	-	-
CCL18	Chemokine (C-C motif) ligand 18 (pulmonary and activation-regulated)	NM_002988	-	-
CCL19	Chemokine (C-C motif) ligand 19	NM_006274	-	2.42
CCL2	Chemokine (C-C motif) ligand 2	NM_002982	-	-2.23
CCL20	Chemokine (C-C motif) ligand 20	NM_004591	-	-
CCL21	Chemokine (C-C motif) ligand 21	NM_002989	-	-
CCL23	Chemokine (C-C motif) ligand 23	NM_005064	-	-
CCL24	Chemokine (C-C motif) ligand 24	NM_002991	-	-
CCL25	Chemokine (C-C motif) ligand 25	NM_005624	-1.49	2.59
CCL26	Chemokine (C-C motif) ligand 26	NM_006072	-	-
CCL3	Chemokine (C-C motif) ligand 3	NM_002983	-	-
CCL4	Chemokine (C-C motif) ligand 4	NM_002984	-	-
CCL5	Chemokine (C-C motif) ligand 5	NM_002985	-	-1.54
CCL7	Chemokine (C-C motif) ligand 7	NM_006273	-	-
CCL8	Chemokine (C-C motif) ligand 8	NM_005623	-	-
CCR1	Chemokine (C-C motif) receptor 1	NM_001295	-	1.60
CCR2	Chemokine (C-C motif) receptor 2	NM_000648	-	-
CCR3	Chemokine (C-C motif) receptor 3	NM_001837	-	1.83

CCR4	Chemokine (C-C motif) receptor 4	NM_005508	-	1.60
CCR5	Chemokine (C-C motif) receptor 5	NM_000579	-	-
CCR6	Chemokine (C-C motif) receptor 6	NM_004367	-	2.98
CCR7	Chemokine (C-C motif) receptor 7	NM_001838	-	-
CCR8	Chemokine (C-C motif) receptor 8	NM_005201	-	1.49
CCR9	Chemokine (C-C motif) receptor 9	NM_006641	1.51	-
CEBPB	CCAAT/enhancer binding protein (C/EBP), beta	NM_005194	-	-
CRP	C-reactive protein, pentraxin-related	NM_000567	-	-
CX3CR1	Chemokine (C-X3-C motif) receptor 1	NM_001337	-1.54	-
CXCL1	Chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	NM_001511	-	-
CXCL10	Chemokine (C-X-C motif) ligand 10	NM_001565	-	1.62
CXCL11	Chemokine (C-X-C motif) ligand 11	NM_005409	-	-
CXCL12	Chemokine (C-X-C motif) ligand 12 (stromal cell-derived factor 1)	NM_000609	-	1.71
CXCL13	Chemokine (C-X-C motif) ligand 13 (B-cell chemoattractant)	NM_006419	-	-
CXCL14	Chemokine (C-X-C motif) ligand 14	NM_004887	-	1.49
CXCL2	Chemokine (C-X-C motif) ligand 2	NM_002089	-	-
CXCL3	Chemokine (C-X-C motif) ligand 3	NM_002090	-1.50	-4.07
CXCL5	Chemokine (C-X-C motif) ligand 5	NM_002994	-	-
CXCL6	Chemokine (C-X-C motif) ligand 6 (granulocyte chemotactic protein 2)	NM_002993	-	-
CXCL9	Chemokine (C-X-C motif) ligand 9	NM_002416	-	-
ICEBERG	ICEBERG caspase-1 inhibitor	NM_021571	-	-
IL10	Interleukin 10	NM_000572	-	-
IL10RA	Interleukin 10 receptor, alpha	NM_001558	-	-
IL10RB	Interleukin 10 receptor, beta	NM_000628	-	1.49
IL13	Interleukin 13	NM_002188	-	-
IL13RA1	Interleukin 13 receptor, alpha 1	NM_001560	-	-
IL17C	Interleukin 17C	NM_013278	-	-
IL1A	Interleukin 1, alpha	NM_000575	-	-
IL1B	Interleukin 1, beta	NM_000576	1.95	-

IL1F10	Interleukin 1 family, member 10 (theta)	NM_173161	-	-
IL1F5	Interleukin 1 family, member 5 (delta)	NM_012275	-	-
IL1F6	Interleukin 1 family, member 6 (epsilon)	NM_014440	-	-
IL1F7	Interleukin 1 family, member 7 (zeta)	NM_173205	-1.54	5.19
IL1F8	Interleukin 1 family, member 8 (eta)	NM_173178	-	-
IL1F9	Interleukin 1 family, member 9	NM_019618	-	-
IL1R1	Interleukin 1 receptor, type I	NM_000877	-1.48	-
IL1RN	Interleukin 1 receptor antagonist	NM_000577	-1.59	-
IL22	Interleukin 22	NM_020525	-	-
IL5	Interleukin 5 (colony-stimulating factor, eosinophil)	NM_000879	1.51	-
IL5RA	Interleukin 5 receptor, alpha	NM_000564	-	-
IL8	Interleukin 8	NM_000584	-	-
IL8RA	Interleukin 8 receptor, alpha	NM_000634	-	-
IL8RB	Interleukin 8 receptor, beta	NM_001557	-1.61	-
IL9	Interleukin 9	NM_000590	-	-
IL9R	Interleukin 9 receptor	NM_002186	4.07	-
LTA	Lymphotoxin alpha (TNF superfamily, member 1)	NM_000595	-1.54	1.97
LTB	Lymphotoxin beta (TNF superfamily, member 3)	NM_002341	-	36.13
LTB4R	Leukotriene B4 receptor	NM_181657	-	-
MIF	Macrophage migration inhibitory factor (glycosylation-inhibiting factor)	NM_002415	-	-
SCYE1	Small inducible cytokine subfamily E, member 1 (endothelial monocyte-activating)	NM_004757	-	-
SPP1	Secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1)	NM_000582	-	-
TNF	Tumor necrosis factor (TNF superfamily, member 2)	NM_000594	-	-
CD40LG	CD40 ligand (TNF superfamily, member 5, hyper-IgM syndrome)	NM_000074	-	-
TOLLIP	Toll interacting protein	NM_019009	-	-
XCR1	Chemokine (C motif) receptor 1	NM_005283	-	-
AKT1	V-akt murine thymoma viral oncogene homolog 1	NM_005163	-	-
ANGPT1	Angiopoietin 1	NM_001146	-	1.97
ANGPT2	Angiopoietin 2	NM_001147	-	-

ANGPTL3	Angiopoietin-like 3	NM_014495	-23.30	-
ANGPTL4	Angiopoietin-like 4	NM_001039667	1.70	1.60
ANPEP	Alanyl (membrane) aminopeptidase (aminopeptidase N, aminopeptidase M, microsomal aminopeptidase, CD13, p150)	NM_001150	-	1.97
BAI1	Brain-specific angiogenesis inhibitor 1	NM_001702	1.52	-
CDH5	Cadherin 5, type 2, VE-cadherin (vascular epithelium)	NM_001795	-	1.71
COL18A1	Collagen, type XVIII, alpha 1	NM_030582	12485.79	1.49
COL4A3	Collagen, type IV, alpha 3 (Goodpasture antigen)	NM_000091	-	2.11
ECGF1	Endothelial cell growth factor 1 (platelet-derived)	NM_001953	-	1.97
EDG1	Endothelial differentiation, sphingolipid G-protein-coupled receptor, 1	NM_001400	-	-
EFNA1	Ephrin-A1	NM_182685	-	1.97
EFNA3	Ephrin-A3	NM_004952	-	-
EFNB2	Ephrin-B2	NM_004093	-	1.83
EGF	Epidermal growth factor (beta-urogastrone)	NM_001963	3.20	1.49
ENG	Endoglin (Osler-Rendu-Weber syndrome 1)	NM_000118	2.96	-
EPHB4	EPH receptor B4	NM_004444	-	-
EREG	Epiregulin	NM_001432	-	-
FGF1	Fibroblast growth factor 1 (acidic)	NM_000800	2.20	-
FGF2	Fibroblast growth factor 2 (basic)	NM_002006	-	-
FGFR3	Fibroblast growth factor receptor 3 (achondroplasia, thanatophoric dwarfism)	NM_000142	-	1.83
FIGF	C-fos induced growth factor (vascular endothelial growth factor D)	NM_004469	-	2.42
FLT1	Fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)	NM_002019	-	-
HAND2	Heart and neural crest derivatives expressed 2	NM_021973	-	1.71
HGF	Hepatocyte growth factor (hepapoietin A; scatter factor)	NM_000601	-	-
HIF1A	Hypoxia-inducible factor 1, alpha subunit (basic helix-loop-helix transcription factor)	NM_001530	-	2.11
HPSE	Heparanase	NM_006665	-	2.59
ID1	Inhibitor of DNA binding 1, dominant negative helix-loop-helix protein	NM_002165	-	1.60

ID3	Inhibitor of DNA binding 3, dominant negative helix-loop-helix protein	NM_002167	2.22	-
IFNA1	Interferon, alpha 1	NM_024013	-	-
IFNA2	Interferon, alpha 2	NM_000605	-	-
IFNB1	Interferon, beta 1, fibroblast	NM_002176	3.13	-
IFNG	Interferon, gamma	NM_000619	-	-
IGF1	Insulin-like growth factor 1 (somatomedin C)	NM_000618	-	1.60
IL6	Interleukin 6 (interferon, beta 2)	NM_000600	1.52	-
ITGAV	Integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51)	NM_002210	-	1.60
ITGB3	Integrin, beta 3 (platelet glycoprotein IIIa, antigen CD61)	NM_000212	-	-
JAG1	Jagged 1 (Alagille syndrome)	NM_000214	-	-
KDR	Kinase insert domain receptor (a type III receptor tyrosine kinase)	NM_002253	1.75	1.60
LAMA5	Laminin, alpha 5	NM_005560	1.69	2.26
LECT1	Leukocyte cell derived chemotaxin 1	NM_007015	-	-
LEP	Leptin (obesity homolog, mouse)	NM_000230	-	-1.90
MDK	Midkine (neurite growth-promoting factor 2)	NM_002391	-	2.78
MMP2	Matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase)	NM_004530	1.40	1.40
MMP9	Matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)	NM_004994	2.88	-
NOTCH4	Notch homolog 4 (Drosophila)	NM_004557	-	-
NRP1	Neuropilin 1	NM_003873	-	2.42
NRP2	Neuropilin 2	NM_003872	-	1.49
PDGFA	Platelet-derived growth factor alpha polypeptide	NM_002607	1.89	-
PECAM1	Platelet/endothelial cell adhesion molecule (CD31 antigen)	NM_000442	1.55	-
PF4	Platelet factor 4 (chemokine (C-X-C motif) ligand 4)	NM_002619	-	1.83
PIGF	Placental growth factor, vascular endothelial growth factor-related protein	NM_002632	-	2.11
PLAU	Plasminogen activator, urokinase	NM_002658	-	-
PLG	Plasminogen	NM_000301	-	-

PLXDC1	Plexin domain containing 1	NM_020405	-	2.11
PROK2	Prokineticin 2	NM_021935	-	-
PTGS1	Prostaglandin-endoperoxide synthase 1 (prostaglandin G/H synthase and cyclooxygenase)	NM_000962	-	2.26
SERPINF1	Serpin peptidase inhibitor, clade F (alpha-2 antiplasmin, pigment epithelium derived factor), member 1	NM_002615	-	-
SPHK1	Sphingosine kinase 1	NM_021972	-	-
STAB1	Stabilin 1	NM_015136	-	2.78
TEK	TEK tyrosine kinase, endothelial (venous malformations, multiple cutaneous and mucosal)	NM_000459	-	-
TGFA	Transforming growth factor, alpha	NM_003236	-	1.83
TGFB1	Transforming growth factor, beta 1	NM_000660	1.45	2.42
TGFB2	Transforming growth factor, beta 2	NM_003238	-	1.83
TGFBR1	Transforming growth factor, beta receptor I (activin A receptor type II-like kinase, 53kDa)	NM_004612	-	-
THBS1	Thrombospondin 1	NM_003246	-	1.49
THBS2	Thrombospondin 2	NM_003247	-	-
TIMP1	TIMP metalloproteinase inhibitor 1	NM_003254	1.46	2.26
TIMP2	TIMP metalloproteinase inhibitor 2	NM_003255	-	2.26
TIMP3	TIMP metalloproteinase inhibitor 3 (Sorsby fundus dystrophy, pseudoinflammatory)	NM_000362	-	1.60
TNF	Tumor necrosis factor (TNF superfamily, member 2)	NM_000594	-	1.97
TNFAIP2	Tumor necrosis factor, alpha-induced protein 2	NM_006291	-	1.97
VEGFA	Vascular endothelial growth factor A	NM_003376	-	2.26
VEGFC	Vascular endothelial growth factor C	NM_005429	1.60	-

“-“ denotes no change in gene expression