

ADAM10/ADAM17/NOTCH SIGNALING PRIMER PANEL (33 genes)

Gene	NCBI Gene ID	Full Gene Name	Forward Primer (5'-3')	Reverse Primer (5'-3')	Product Length (bp)	PCR Efficiency
<i>Adam10</i>	11487	a disintegrin and metallopeptidase domain 10(Adam10)	GTGCCAAACGAGCAGTCTCA	ATTGCTAGGTTGAACGTCTTCC	82	98
<i>Adam10_gDNAcontrol</i>	11487	a disintegrin and metallopeptidase domain 10(Adam10)	TGTTGGCCCTTGATCGTAA	GCACAGAGTAGAGCATCC	56	103
<i>Adam10_Exon9</i>	11487	a disintegrin and metallopeptidase domain 10(Adam10)	AGCTCTGGGGGAATATGTGAG	GGCAGATGGGAGCCATAGTT	104	108
<i>Adam10_gDNA</i>	11487	a disintegrin and metallopeptidase domain 10(Adam10)	GGAGTAGAGCTGGCCACAT	AACAAAGCAGCCCTCTACA	98	99
<i>Adam17</i>	11491	a disintegrin and metallopeptidase domain 17(Adam17)	AGAGAGCCATCTGAAGAGTTTGT	AAGGGGTTAGGTTCCACTCG	59	102
<i>Adam17_gDNAcontrol</i>	11491	a disintegrin and metallopeptidase domain 17(Adam17)	AGGGGTTCTGATGGAATCT	ATAAGCAGTCCCTCCGCTT	76	104
<i>Adam17_Exon2</i>	11491	a disintegrin and metallopeptidase domain 17(Adam17)	GCTCTCAGACTACACATCT	GTCGAGACTGTAGATCCCTT	78	105
<i>Adgre1</i>	13733	adhesion G protein-coupled receptor E1(Adgre1)	ACAGTACGATGTGGGCTTT	GTGTGGTCATCCCACTCG	75	104
<i>Ccl2</i>	20296	chemokine (C-C motif) ligand 2(Ccl2)	CACTCACCTGCTACTCA	GCCTGGTGACAAAACACAGC	117	99
<i>Cd68</i>	12514	CD68 antigen(Cd68)	GACCCTTATAGCCCAAGGA	TCATCGTGAAGGATGGCAGG	78	101
<i>Dll1</i>	13388	delta-like 1 (Drosophila)(Dll1)	GAGAAGATCGCCCAACACT	CCATCTTACACTCAGTCGCT	155	94
<i>Dll1</i>	13388	delta-like 1 (Drosophila)(Dll1)	AGATAACCTGACGGAGGCT	ACCGGCACAGGTAAGAGTTG	146	106
<i>Dll3</i>	13389	delta-like 3 (Drosophila)(Dll3)	ACTGGATGCTTTTACTGGG	GGGGACAGGCACATTCAAAG	103	92
<i>Dll4</i>	54485	delta-like 4 (Drosophila)(Dll4)	AGATGAGTGATCTGCGCT	TGCACGGAGAGTGGAGTA	176	101
<i>Egfr</i>	13649	epidermal growth factor receptor(Egfr)	TGTACTATGGATGTGCTGGGC	CCCACAAATCCAGTGGCAATA	92	99
<i>Ereg</i>	13874	epiregulin(Ereg)	CCGAGGATAACTGTACCGCC	AAGCAGTAGCCGTCAGTGC	100	101
<i>Hbegf</i>	15200	heparin-binding EGF-like growth factor(Hbegf)	GTACTCCCTCTGCAAATGCC	TCCACTGGTAGAGTAGAGCC	70	108
<i>Hes1</i>	15205	hairy and enhancer of split 1 (Drosophila)(Hes1)	GAAAAATCTCTCCCGGT	GGCTTTGATGACTTCTGTGCT	99	101
<i>Hey1</i>	15213	hairy/enhancer-of-split related with YRPW motif 1(Hey1)	AAGACGGAGAGCATATCGAGAA	GGGCGTCGCGCTCAAATAA	200	85
<i>Hey2</i>	15214	hairy/enhancer-of-split related with YRPW motif 2(Hey2)	AAAAGGCGTCGGGATCGAAT	CAAAGTAGCTTTACCCCTGT	166	97
<i>HeyL</i>	56198	hairy/enhancer-of-split related with YRPW motif-like(HeyL)	TTGAGAAACAGGGCTCTCCA	GGGCTCGGGCATCAAGAA	114	104
<i>Il1b</i>	16176	interleukin 1 beta(IL1b)	GCCACCTTTTGACAGTGATGAG	GACAGCCAGGTCAAAGGTT	95	101
<i>Il6</i>	16193	interleukin 6(IL6)	CCACTTCACAAGTCGGAGGC	TTGCCATTGCACAACCTTTTCT	79	96
<i>Il6ra</i>	16194	interleukin 6 receptor, alpha(IL6ra)	TGAATGATGACCCAGGCAC	ACACCATCCGCTCTACT	104	99
<i>Il6st</i>	16195	interleukin 6 signal transducer(IL6st)	TTACAACACCAAAGTTCGCTCA	CTAAGCACACAGGCAGACTA	60	100
<i>Itgam</i>	16409	integrin alpha M(Itgam)	GGCTTTGGACAGAGTGTGT	AGAGGGCAGCTGTGGTTA	94	101
<i>Jag1</i>	16449	jagged 1(Jag1)	GGGTCTACGCTGTCTCG	TCCACCAGCAAAGTGTAGGAC	122	99
<i>Jag2</i>	16450	jagged 2(Jag2)	GCCTCGTCTCATCCCTTT	AGCTCTCATCTGGAGTGT	100	100
<i>Notch1</i>	18128	notch 1(Notch1)	CAACTGCCAAGCCTTGTGC	TGGTACTGCGTGTGGTCTG	84	103
<i>Notch2</i>	18129	notch 2(Notch2)	TACCTACCACAACGGCACAG	TCTCACAGGGGTCTCGATGT	83	100
<i>Notch3</i>	18131	notch 3(Notch3)	CAGCCATGCCGATGCAATG	CAAGGTAGCTCCAGTTGT	88	102
<i>Notch4</i>	18132	notch 4(Notch4)	CTCAGCCAGTGGCTATGTC	CTGGAGGTACAGGTTCCGTC	118	103
<i>Rbpj</i>	19664	recombination signal binding protein for immunoglobulin kappa J region(Rbpj)	CTCCATCGGCGGGGAAGTTT	GCAGTGTGATCCCTCGT	99	109
<i>Socs3</i>	12702	suppressor of cytokine signaling 3(Socs3)	TAGACTCACGGCTGCCAAC	CGGGGAGCTAGTCCCGAA	122	100
<i>Sox9</i>	20682	SRY (sex determining region Y)-box 9(Sox9)	GCCACGGAAACAGACTACAT	CTGAGATTGCCAGAGTGC	123	102
<i>Tgfa</i>	21802	transforming growth factor alpha(Tgfa)	TCTGCTAGCGTGGGTATC	TGGGCAGTGTGAAAGTGAGA	115	103
<i>Timp3</i>	21859	tissue inhibitor of metalloproteinase 3(Timp3)	GGCTCAATTACCGCTACCA	GAGAGCATGCTGCCAGAG	110	102
<i>Tnf</i>	21926	tumor necrosis factor(Tnf)	ATGGCTCCCTCTCATGAT	TGGTGGTTTGTACGACGTG	103	96