

Product datasheet for SC338162

CD40L (CD40LG) (NM_000074) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD40L (CD40LG) (NM_000074) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD40L
Synonyms:	CD40L; CD154; gp39; hCD40L; HIGM1; IGM; IMD3; T-BAM; TNFSF5; TRAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC338162 representing . Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGATCGAAACATACAACCAAATTCTCCCGATCTGCGGCCACTGGACTGCCCATCAGCATGAAAATT
TTTATGTATTTACTTACTGTTTTCTTATCACCCAGATGATTGGGTGAGCACTTTTTGCTGTGTATCTT
CATAGAAGGTTGGACAAGATAGAAGATGAAAGGAATCTTCATGAAGATTTGTATTCATGAAAACGATA
CAGAGATGCAACACAGGAGAAAGATCCTTATCCTTACTGAACTGTGAGGAGATTAAGCCAGTTTGAA
GGCTTTGTGAAGGATATAATGTTAAACAAAGAGGAGACGAAGAAAGAAAACAGCTTTGAAATGCAAAA
GGTGATCAGAATCCTCAAATTGCCGCACATGTCATAAGTGAGGCCAGCAGTAAAACAACATCTGTGTTA
CAGTGGGCTGAAAAGGATACTACACCATGAGCAACAACCTGGTAACCCTGGAAAATGGGAAACAGCTG
ACCGTTAAAAGACAAGGACTCTATTATATCTATGCCCAAGTCACCTTCTGTTCCAATCGGGAAGCTTCG
AGTCAAGCTCCATTTATAGCCAGCCTCTGCCTAAAGTCCCCCGGTAGATTCGAGAGAATCTTACTCAGA
GCTGCAAAATCCACAGTTCCGCCAAACCTTGGCGGCAACAATCCATTCACTTGGGAGGAGTATTTGAA
TTGCAACCAGGTGCTTCGGTGTGTTGTCATGTGACTGATCCAAGCCAAGTGAAGCCATGGCACTGGCTT
ACGTCCTTTGGCTTACTCAAACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_000074
Insert Size:	786 bp



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
RefSeq Size:	1834 bp
RefSeq ORF:	786 bp
Locus ID:	959
UniProt ID:	P29965
Cytogenetics:	Xq26.3
Domains:	TNF
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Allograft rejection, Asthma, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Cytokine-cytokine receptor interaction, Primary immunodeficiency, Systemic lupus erythematosus, T cell receptor signaling pathway, Viral myocarditis
MW:	29.3 kDa
Gene Summary:	The protein encoded by this gene is expressed on the surface of T cells. It regulates B cell function by engaging CD40 on the B cell surface. A defect in this gene results in an inability to undergo immunoglobulin class switch and is associated with hyper-IgM syndrome. [provided by RefSeq, Jul 2008]