

Product datasheet for **SC122587**

CD70 (NM_001252) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD70 (NM_001252) Human Untagged Clone
Tag: Tag Free
Symbol: CD70
Synonyms: CD27-L; CD27L; CD27LG; LPFS3; TNFSF7; TNLG8A
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001252 edited
 GCCCCGGGAGGGGCTGCAGTTTCCTTCCTTCTCGGCAGCGCTCCGGCCCCCATC
 GCCCTCCTGCGCTAGCGGAGGTGATCGCCGCGGCGATGCCGGAGGAGGGTTTCGGGCTGC
 TCGGTGCGGCGCAGGCCCTATGGGTGCGTCTGCGGGCTGCTTTGGTCCCATTGGTCGCG
 GGCTTGGTGATCTGCCTCGTGGTGTGCATCCAGCGCTTCGCACAGGCTCAGCAGCAGCTG
 CCGCTCGAGTCACTTGGGTGGGACGTAGCTGAGCTGCAGCTGAATCACACAGGACCTCAG
 CAGGACCCAGGCTATACTGGCAGGGGGGCCAGCACTGGGCCGCTCCTTCTGCATGGA
 CCAGAGCTGGACAAGGGGACGTACGTATCCATCGTGATGGCATCTACATGGTACACATC
 CAGGTGACGCTGGCCATCTGTTCTCCACGACGGCCTCCAGGCACCACCCACCACCTG
 GCCGTGGGAATCTGCTCTCCCGCTCCCGTAGCATCAGCCTGCTGCGTCTCAGCTCCAC
 CAAGTTGTACCATTGCCTCCCAGCGCCTGACGCCCTGGCCGAGGGGACACACTCTGC
 ACCAACCTCACTGGGACACTTTTGCCTTCCCGAAACACTGATGAGACCTTCTTTGGAGTG
 CAGTGGGTGCGCCCTGACCACTGCTGCTGATTAGGGTTTTTAAATTTATTTTATTTT
 ATTTAAGTTCAAGAGAAAAAGTGTACACACAGGGGCCACCCGGGGTTGGGGTGGGAGTGT
 GGTGGGGGTAGTGGTGGCAGGACAAGAGAAGGCATTGAGCTTTTTCTTTCATTTTCTTA
 TTAATAAATACAAAAATCAA
 AAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001252 unedited NAACCTGTATAATTGTATACGACTCATATAGGCGGCACGCGATTTCGGCAGGAGGGCCCC GGGAGGGGGCTGCAGTTTCCTTCCTTCTCGGCAGCGCTCCGCGCCCCATCGCCCC TCCTGCGCTAGCGGAGGTGATCGCCGCGGCGATGCCGGAGGAGGGTTTCGGGCTGCTCGGT GCGGCGCATGCCCTATGGGTGCGTCCTGCGGGCTGCTTTGGTCCCATTGGTCGCGGGCTT GGTGATCTGCCTCGTGGTGTGCATCCAGCGCTTCGCACAGGCTCAGCAGCAGCTGCCGCT CGAGTCACCTGGGTGGGACGTAGCTGAGCTGACGCTGAATCACACAGGACCTCAGCAGGA CCCAGGCTATACTGGCAGGGGGGCCAGCACTGGGCGCTCCTTCTGCATGGACCAGA GCTGGACAAGGGGACGCTACGTATCCATCGTGATGGCATCTACATGGTACACATCCAGGT GACGCTGGCCATCTGTTCTCCACGACGGCCTCCATGCACCACCCACCACCCTGGCCGT GNGAATCTGCTCTCCCGCTCCCGTAGCATCAGCCTGCTGCGTCTCAGCTTCCACCAAGG TTGTACCATTGCCTCCAGCGCTGACGCCCTGGCCCGAGGGGACACACTCTGCACCAA CCTCACTGGGACACTTTTGCCTCCCGAAACACTGATGAGACCTTCTTTGGAGTGCAGTG NGTGCGCCCTGACCACTGCTGCTGATTAGGGTTTTTTAAATTTTATTTTATTTTATTTA AGTTCAAGAAAANAAGTGTACACACAGGGGCCANCCCGNGTTTGGGTGGAGTGGGTGGG GGGNNNATTNTGNTNCCNGNCCAAGANAAGCNATGGGGCTTTTTTT
Restriction Sites:	Please inquire
ACCN:	NM_001252
Insert Size:	924 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001252.2 , NP_001243.1
RefSeq Size:	916 bp
RefSeq ORF:	582 bp
Locus ID:	970
UniProt ID:	P32970
Cytogenetics:	19p13.3
Protein Families:	ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction

Gene Summary:

The protein encoded by this gene is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T and B lymphocytes. It induces proliferation of costimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis. [provided by RefSeq, Jul 2008]