

Product datasheet for **SC119371**

CD27 (NM_001242) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD27 (NM_001242) Human Untagged Clone
Tag: Tag Free
Symbol: CD27
Synonyms: S152; S152. LPFS2; T14; TNFRSF7; Tp55
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001242 edited
 GTGGAGTTGCTGCTATGAGAGAGAAAAACAGCCACAATAGAGATTCTGCCTT
 AAAGGTTGGCTTGCCACCTGAAGCAGCCACTGCCAGGGGTGCAAAGAAGAGACAGCAG
 CGCCAGCTTGGAGGTGCTAACTCCAGAGGCCAGCATCAGCAACTGGGCACAGAAAGGAG
 CCGCCTGGGCAGGGACCATGGCACGGCCACATCCCTGGTGGCTGTGCGTTCTGGGACCC
 TGGTGGGGCTCTCAGCTACTCCAGCCCCAAGAGCTGCCAGAGAGGCACTACTGGGCTC
 AGGGAAGCTGTGCTGCCAGATGTGTGAGCCAGGAACATTCTCGTGAAGGACTGTGACC
 AGCATAGAAAGGCTGCTCAGTGTGATCCTTGCATACCGGGGTCTCCTTCTCTCCTGACC
 ACCACACCCGGCCCCACTGTGAGAGCTGTGGCACTGTAACCTGGTCTTCTCGTTCGCA
 ACTGCACCATCACTGCCAATGCTGAGTGTGCCTGTGCAATGGCTGGCAGTGCAGGGACA
 AGGAGTGCACCGAGTGTGATCCTTCCAAACCCTTCGCTGACCGCTCGGTCTCAGG
 CCTGAGCCACACCCTCAGCCACCCACTTACCTTATGTGAGTGTGAGGAGGCA
 GGACAGCTGGGCACATGCAGACTCTGGTGAATTCAGGCAGCTGCCTGCCCGGACTCTCT
 CTACCCACTGGCCACCCAAAGATCCCTGTGCACTCCGATTTTATTTCGATCCTTGTGA
 TCTTCTGGAATGTTCTTGTGTTTACCCCTGGCCGGGGCCCTGTTCTCCATCAACGAA
 GGAAATATAGATCAAACAAGGAGAAAGTCTGTGGAGCTGCAGAGCCTTGTGTTACA
 GCTGCCCCAGGGAGGAGGAGGGCAGCACCATCCCCATCCAGGAGGATTACCGAAAACCG
 AGCCTGCCTGCTCCCCCTGAGCCAGCACCTGCGGTAGCTGCACTACAGCCCTGGCCTCCA
 CCCCCACCCCGGACCATCCAAGGGAGAGTGTGACCTGGCAGCCACAAGTGCAGTCCCA
 TCCTCTTGTGAGGGCCCTTCTGTGTACACGTGACAGAGTGCCTTTTCGAGACTGGCAG
 GGACGAGGACAAATATGGATGAGGTGGAGAGTGGGAAGCAGGAGCCAGCCAGCTGCGCC
 TGCCTGCAAGGAGGGCGGGGCTCTGGTTGTAACACACTTCTGCTGCGAAAGACCCA
 CATGCTACAAGACGGGCAAAATAAAGTGTGACAGATGACCACCTGCAAAAAAAAAAAAAA
 AAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001242 unedited GGCACTACTGGTTTTTGTAAACCCGATTACGCTATAGGCGGCCGCGCATTCCGGCACGAGG GTGGAGGTTGCTGCTATGAGAGAGAAAAAAGAGCCACAATAGAGATTCTGCCTTC AAAGTTGGCTTCCACCTGAAGCAGCCACTGCCAGGGGGTGCAAAGAAGAGACAGCAGC GCCCAGCTTGGAGGTGCTAACTCCAGAGGCCAGCATCAGCAACTGGGCACAGAAAGGAGC CGCTGGGCAGGGACCATGGCACGGCCACATCCCTGGTGGCTGTGCGTTCTGGGGACCT GGTGGGCTCTCAGCTACTCCAGCCCCAAGAGCTGCCAGAGGCACTACTGGGCTCA GGGAAAGCTGTGCTGCCAGATGTGTGAGCCAGGAACATTCTCGTGAAGGACTGTGACCA GCATAGAAAGGCTGCTCAGTGTGATCCTTGATACCGGGGGTCTCCTTCTCCTGACCA CCACACCCGGCCCCACTGTGAGAGCTGTCGGCACTGTAACCTCTGGTCTTCTCGTTCGAA CTGCACCATCACTGCCAATGCTGAGTGTGCTGTCGCAATGGCTGGCAGTGCAGGGACAA GGAGTGCACCGAGTGTGATCCTTCCAAACCCTTCGCTGACCGCTCGGTCTCAGGC CCTGAGCCACACCCTCAGCCACCCACTTACCTTATGTCAGTGTGATGCTGGAGGCCAG GACAGCTGGGCACATGCAGACTCTGGCTGACTTACGGCAGCTGCCTGCCCGACTCTCTC TACCCACTGGCCACCCCAAGATCCCTGTGCAGCTCCGATTCTATTGCGATCCTTGTGAT CTTCTCTGGAATGTTCTTGTGTTTACCCTGGCCGGNGCCCTGTNCTNCATCACGAAGG AATATAGATCAAACAAGGAGA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001242 unedited CCATGGCACCATTGGGCGATTGGCAACTGCCAGGGCCAGNAAAGCACTGGGNNAGGGTC ACAGGGCAGCCACCCGGGTATCTGTTTCCAGGAAAACAGCTATGACCGCGGCCGCAATCTAG AGTCGAGTTTTTTTTTTTTTTTTTGCAGGGTGGTCATCTGTCACTTTATTTTGGCCGTC TTGTAGCATGTGGTCTTTCGCAACAGGAAGTGTGTTTTACAACCAGAGCCCCCGCCCTC CTGCAGCGCAAGCGCAGCTGGCTGGGCTCTGCTTCCCACTCTCCACCTATCCATATTT GTCCTCGTCCCTGCCAGTCTCGAAAAGGCACTCTGTACAGTGTACACAGGAAAGGGCCCT GACAAGAGGATGGGACTGCAGTTGTGGCTGCCAGGTCTCACTCTCCCTTGGATGGTCCGC GGGGTGGNGGGTGGACGCCAGGGCTGTAGTGCATCTACCGCAGGTGCTGGCTCAAGGGG AGCAGGCAGGCTCCGGTTTTTCGGTAATCCTCCTGGATGGGAGATGGTGTGCCCTCCTCC TCCCTGGGGCAGCTGTAACGACAAGGCTCTGCAGGCTCCACAGGACTTTCTCCTTTGTTT GATCTATATTTCTTTCGTTGATGGAAGAACAGGGCCCCGGCCAGGGTGAAAAAAGGAAC ATTCAGAGAAGATCACAAGGATGCGAATAAAATCGGAGCTGCACAGGGATCTTTGGGGT GGCCAGTGGGTAGAGAGAGTCCGGGCAGGCAGCTGCCTGAAGTCAGCCAGAGTCTGCATG TGCCAGCTGTCTGGCCTCCAACATCTCACTGACATAAGGTAAGTGGTGGGCTGAGGG TTGTGGGCTCCAGGCTGAAACCACCGAGCGGTGAGCGAAGGGTTTGAAAAGATCACAC TCGTGCACTTCTTGTGCTGCACTGGCAG</p>
Restriction Sites:	Please inquire
ACCN:	NM_001242
Insert Size:	783 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:

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_001242.3](#), [NP_001233.1](#)

RefSeq Size: 1323 bp

RefSeq ORF: 783 bp

Locus ID: 939

UniProt ID: [P26842](#)

Cytogenetics: 12p13.31

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction

Gene Summary: The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is required for generation and long-term maintenance of T cell immunity. It binds to ligand CD70, and plays a key role in regulating B-cell activation and immunoglobulin synthesis. This receptor transduces signals that lead to the activation of NF-kappaB and MAPK8/JNK. Adaptor proteins TRAF2 and TRAF5 have been shown to mediate the signaling process of this receptor. CD27-binding protein (SIVA), a proapoptotic protein, can bind to this receptor and is thought to play an important role in the apoptosis induced by this receptor. [provided by RefSeq, Jul 2008]