

Product datasheet for **SC125046**

CD247 (NM_198053) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD247 (NM_198053) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD247
Synonyms:	CD3-ZETA; CD3H; CD3Q; CD3Z; IMD25; T3Z; TCRZ
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC125046 sequence for NM_198053 edited (data generated by NextGen Sequencing) ATGAAGTGGAAAGCGCTTTTCACCGCGGCCATCCTGCAGGCACAGTTGCCGATTACAGAG GCACAGAGCTTTGGCCTGCTGGATCCCAAACCTCTGCTACCTGCTGGATGGAATCCTCTTC ATCTATGGTGTCATTCTCACTGCCTTGTTCTGAGAGTGAAGTTCAGCAGGAGCGCAGAC GCCCCCGGTACCAGCAGGGCCAGAACCAGCTCTATAACGAGCTCAATCTAGGACGAAGA GAGGAGTACGATGTTTTGGACAAGAGACGTGGCCGGGACCCTGAGATGGGGGAAAGCCG NNGAGAAGGAAGAACCCTCAGGAAGGCCTGTACAATGAACTGCAGAAAGATAAGATGGCG GAGGCCTACAGTGAGATTGGGATGAAAGGCGAGCGCCGGAGGGGCAAGGGGCACGATGGC CTTTACCAGGGTCTCAGTACAGCCACCAAGGACACCTACGACGCCCTTACATGCAGGCC CTGCCCCCTCGTAA Clone variation with respect to NM_198053.2 301 c=>n;302 a=>n



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_198053 unedited NNGGTTCAAATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGCAGAGAC TCCTTTTCTCCTAACCGTCCCAGCCACCCTGCCTCAGCCTCTGCCTCCCAGCCTCTTTC TGAGGGAAAGGACAAGATGAAGTGGAAGGCGCTTTTCACCGCGGCCATCCTGCAGGCACA GTTGCCGATTACAGAGGCACAGAGCTTTGGCCTGCTGGATCCCAAACCTGCTACCTGCT GGATGGAATCCTCTTTCATCTATGGTGTCTTCTCACTGCCTTGTTCCTGAGAGTGAAGTT CAGCAGGAGCGCAGACGCCCCCGCTACCAGCAGGGCCAGAACCAGCTCTATAACGAGCT CAATCTAGGACGAAGAGAGGAGTACGATGTTTTGGACAAGAGACGTGGCCGGGACCCTGA GATGGGGGAAAGCCGAGAAGGAAGAACCCTCAGGAAGGCCTGTACAATGAACTGCAGAA AGATAAGATGGCGGAGGCTACAGTGAGATTGGGATGAAAGGCGAGCGCCGGAGGGGCAA GGGGCACGATGGCCTTACCAGGGTCTCAGTACAGCCACCAAGGACACCTACGACGCCCT TCACATGCAGGCCCTGCCCTCGCTAACAGCCAGGGGATTTCACTCAAAAGGCCAGA CCTGCAGACGCCAGATTATGAGACACAGGATGAAGCATTACCAACCCGGTTCCTCTT CTCAGCACTGAAGTATCCNCTTATGTACAGGGATGCTTTGGNTATATTTAGCTNCCAA CCTTCCACACAGACTGGTGTCCCTGCCTTAANGGGAGTGTACTCCCAGGGCTTACGG NCTGGNCTTGGCCTCTGNNTNTGCCGTGGTGCANGTAAACTGCTCCCGTGCCTTCTC GTCTCCCTGGGGAGGCGGCCCTGCTCTCACCTGGNTGTGGAATCTCGTTTTGAAGCC
Restriction Sites:	NotI-NotI
ACCN:	NM_198053
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_198053.1 , NP_932170.1
RefSeq Size:	1677 bp
RefSeq ORF:	495 bp
Locus ID:	919
UniProt ID:	P20963
Cytogenetics:	1q24.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway

Gene Summary:

The protein encoded by this gene is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes the longer isoform (1).