

Product datasheet for **SC125363**

CD137 (TNFRSF9) (NM_001561) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD137 (TNFRSF9) (NM_001561) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD137
Synonyms:	4-1BB; CD137; CDw137; ILA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001561 edited
 GGAGTGGAAAAGTTCTCCGGCAGCCCTGAGATCTCAAGAGTGACATTTGTGAGACCAGCTA
 ATTTGATTAATAATCTCTTGGAAATCAGCTTTGCTAGTATCATACCTGTGCCAGATTTTCAT
 CATGGGAAACAGCTGTTACAACATAGTAGCCACTCTGTTGCTGGTCTCAACTTTGAGAG
 GACAAGATCATTGCAGGATCCTTGTAGTAACTGCCAGCTGGTACATTCTGTGATAATAA
 CAGGAATCAGATTTGCAGTCCCTGTCTCCAAATAGTTTCTCCAGCGCAGGTGGACAAAG
 GACCTGTGACATATGCAGGCAGTGTAAAGGTGTTTTTCAGGACCAGGAAGGAGTGTTCCTC
 CACCAGCAATGCAGAGTGTGACTGCACTCCAGGGTTTCACTGCCTGGGGGAGGATGCAG
 CATGTGTGAACAGGATTGTAACAAGGTCAAGAACTGACAAAAAAGGTTGTAAGACTG
 TTGCTTTGGGACATTTAACGATCAGAAACGTGGCATCTGTGACCCCTGGACAAACTGTTT
 TTTGGATGGAAAGTCTGTGCTTGTGAATGGGACGAAGGAGAGGGACGTGGTCTGTGGACC
 ATCTCCAGCCGACCTCTCTCCGGGAGCATCCTCTGTGACCCCGCTGCCCTGCGAGAGA
 GCCAGGACTCTCCGAGATCATCTCCTTCTTCTTGCCTGACGTGACTGCGTTGCT
 CTTCTGTGTTCTTCTCACGCTCCGTTTCTCTGTTGTTAAACGGGGCAGAAAGAACT
 CCTGTATATATCAACAACCATTTATGAGACCAGTACAACTACTCAAGAGGAAGATGG
 CTGTAGCTGCCGATTTCCAGAAGAAGAAGGAGGATGTGAAGTGTGAAATGGAAGTCA
 ATAGGGCTGTTGGGACTTTCTTGAAAAGAAGCAAGGAAATATGAGTCATCCGCTATCACA
 GCTTTCAAAGCAAGAACACCATCCTACATAATACCCAGGATTCCTCCAAACACAGTTCT
 TTTCTAAATGCCAATGAGTTGGCCTTTAAAAATGCACCACTTTTTTTTTTTTTTTGACAG
 GGTCTCACTCTGTCAACCAGGCTGGAGTGCAGTGGCACCACCATGGCTCTCTGCAGCCT
 GACCTCTGGGAGCTCAAGTATCCTCCTGCCTCAGTCTCCTGAGTAGCTGGAAGTACAAG
 GAAGGGCCACCACCTGACTAACTTTTTGTTTTTTGTTTGGTAAAGATGGCATTTCAC
 CATGTTGTACAGGCTGGTCTCAACTCCTAGGTTCACTTTGGCCTCCCAAAGTGTGGGA
 TTACAGACATGAACTGCCAGGCCGCCCCAAAATATGCACCACTTTTAAACAGAACAGACA
 GATGAGGACAGAGCTGGTGATAAAAAAAAAAAAAAAAAAAGCATTCTTAGATACCACTTA
 ACAGGTTTGAGCTAGTTTTTTGAAATCCAAAGAAAATATAGTTTAAATTCAATTACAT
 AGTCCAGTGGTCCAATAAATTATAATCAAAATCAATGCAGGTTTGTTTTTTGGTGCTA
 ATATGACATATGACAATAAGCCACGAGGTGCAGTAAGTACCCGACTAAAGTTCCGTGGG
 TTCTGTATGTAACACGACATGCTCCACCGTCAGGGGGGAGTATGAGCAGAGTGCCTGAG
 TTTAGGGTCAAGGACAAAAAACCTCAGGCCTGGAGGAAGTTTTGGAAAGAGTTCAAGTGT
 CTGTATATCCTATGGTCTTCTCCATCCTCACACCTTCTGCCTTTGCTGCTCCCTTTTA
 AGCCAGGTACATTCTAAAAATTTAACTTTTAAACATAATATTTATACCAAAGCCAAT
 AAATGAACTGCATATGAAA
 AAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_001561 unedited
 ATAGGGNCGCCGCGTAATTCGGCAGCAGGGGTAGTTGAAAAGTTCTCCGGCAGCCCTG
 AGATCTCAANAGTGACATTTGTGAGACCAGCTAATTTGATTAAAATTCTCTTGGAAATCAG
 CTTTGCTAGTATCATACCTGTGCCAGATTTTCATCATGGGAAACAGCTGTTACAACATAGT
 AGCCACTCTGTTGCTGGTCTCAACTTTGAGAGGACAAGATCATTGCAGGATCCTGTAG
 TAACTGCCAGCTGGTACATTCTGTGATAATAACAGGAATCAGATTTGCAGTCCCTGTCC
 TCCAAATAGTTTCTCCAGCGCAGGTGGACAAAGGACCTGTGACATATGCAGGCAGTGTA
 AGGTGTTTTCAGGACCAGGAAGGAGTGTCTCCACCAGCAATGCAGAGTGTGACTGCAC
 TCCAGGGTTTCACTGCCTGGGGCAGGATGCAGCATGTGTGAACAGGATTGTAACAAGG
 TCAAGAAGTACAAAAAAGGTTGTAAGACTGTTGCTTTGGGACATTTAACGATCAGAA
 ACGTGGCATCTGTGACCCCTGGACAAACTGTTCTTTGGATGGAAAGTCTGTGCTTGTGAA
 TGGGACGAAGGAGAGGGACGTGGTCTGTGGACCATCTCCAGCCGACCTCTCTCCGGGAGC
 ATCCTCTGTGACCCCGCTGCCCTGCGAGAGAGCCAGGACACTCTCCGAGATCATCTC
 CTTCTTTCTTGCCTGACGTGACTGCGTTGCTTCTCTGCTGNTCTTCTCACGCTCCG
 TTTCTGTGTTAAACGGGGCAAAAGAACTCCTGTATATTTCAACAACCATTTATG
 AGACCAGTACAA

Restriction Sites:	Please inquire
ACCN:	NM_001561
Insert Size:	768 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_001561.4 , NP_001552.2
RefSeq Size:	1935 bp
RefSeq ORF:	768 bp
Locus ID:	3604
UniProt ID:	Q07011
Cytogenetics:	1p36.23
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction
Gene Summary:	<p>The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contributes to the clonal expansion, survival, and development of T cells. It can also induce proliferation in peripheral monocytes, enhance T cell apoptosis induced by TCR/CD3 triggered activation, and regulate CD28 co-stimulation to promote Th1 cell responses. The expression of this receptor is induced by lymphocyte activation. TRAF adaptor proteins have been shown to bind to this receptor and transduce the signals leading to activation of NF-kappaB. [provided by RefSeq, Jul 2008]</p>