

Product datasheet for **SC126650**

CD63 (NM_001780) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD63 (NM_001780) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD63
Synonyms:	LAMP-3; ME491; MLA1; OMA81H; TSPAN30
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126650 sequence for NM_001780 edited (data generated by NextGen Sequencing)

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ATGGCGGTGGAAGGAGGAATGAAATGTGTGAAGTTCTTGTCTCTACGTCCTCTGCTGGCC
TTTTGCGCCTGTGCAGTGGGACTGATTGCCGTGGGTGTCGGGGCACAGCTTGTCCTGAGT
CAGACCATAATCCAGGGGCTACCCCTGGCTCTCTGTTGCCAGTGGTCATCATCGCAGTG
GGTGTCTTCTCTTCTGGTGGCTTTTGTGGGCTGCTGCGGGCCTGCAAGGAGAACTAT
TGTCTTATGATCACGTTTGCCATCTTTCTGTCTTATCATGTTGGTGGAGGTGGCCGCA
GCCATTGCTGGCTATGTGTTTAGAGATAAGGTGATGTCAGAGTTAATAACAACCTCCGG
CAGCAGATGGAGAATTACCCGAAAACAACCACACTGCTTCGATCCTGGACAGGATGCAG
GCAGATTTTAAGTGTGTGGGCTGCTAACTACACAGATTGGGAGAAAATCCCTTCCATG
TCGAAGAACCGAGTCCCCGACTCCTGCTGCATTAATGTTACTGTGGGCTGTGGGATTAAT
TTCAACGAGAAGGCGATCCATAAGGAGGGCTGTGTGGAGAAGATTGGGGGCTGGCTGAGG
AAAAATGTGCTGGTGGTAGCTGCAGCAGCCCTTGAATTGCTTTTGTCCGAGGTTTTGGGA
ATTGTCTTTGCCTGCTGCCTCGTGAAGAGTATCAGAAGTGGCTACGAGGTGATGTAG
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Clone variation with respect to NM_001780.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001780 unedited</p> <pre>GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAGCCGCGGGGAGA GGAACGCGCAGCCAGCCTTGGGAAGCCCAGGCCCGGCAGCCATGGCGGTGGAAGGAGGAA TGAAATGTGTGAAGTTCTTGCTCTACGTCTCTGCTGGCCTTTTGCCTGTGCAGTGG GACTGATTGCCGTGGGTGTCGGGGCACAGCTTGTCTGAGTCAGACCATAATCCAGGGGG CTACCCCTGGCTCTCTGTTGCCAGTGGTCATCATCGCAGTGGGTGTCTTCTCTTCTG TGGCTTTTGTGGCTGCTGCGGGGCTGCAAGGAGAAGTATTGTCTTATGATCACGTTTG CCATCTTTCTGTCTTATCATGTTGGTGGAGGTGGCCGAGCCATTGCTGGCTATGTGT TTAGAGATAAAGGTGATGTCAGAGTTTAATAACAACCTCCGGCAGCAGATGGAGAATTACC CGAAAAACAACCACACTGCTTCGATCCTGGACAGGATGCAGGCAGATTTTAAAGTGTGTG GGGCTGCTAACTACACAGATTGGGAGAAAATCCCTTCCATGTCGAAGAACCGAGTCCCCG ACTCTGTGCTAATGTTACTGTGGGCTGTGGGATTAATTTCAACGAGAAGGCGATCC ATAAGANGGCTGTGTGAAATNAATTGNGGGCNNTGCTGAGAAAATGTGCTTGGTGGTA GCTGCANCAGCCCTTGAATGCTTTGNNCNAAGNNTTGGGAAATGTCTTGCCTGCTG CCTCGTGAAGATTCANAAGTGCCTACAGGTGNTTNGGGGGGNTGTGTCTCTCAACC CTCTATTGGGGGGGAAAGGGAAAAGAATCCCTCCAAGTTTTCAATAAACGGTATATTNTT TTAAACCGAAAAAATACTCGACTTAAATGGGGGGCCGGGCTTACTACTG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001780 unedited</p> <pre>GGACCGCGGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTCGGTCTGAAAAAA ATCCGTTTAAATTGAAAAACCTGGAGGATACTATCCACTCCCCAGATGAGGAGGCTGAG GAGACCAGACCCCTACATCACCTCGTAGCCACTTCTGATACTTTCACGAGGCAGCAGGC AAAGACAATTCCTCAAAACCTCGACAAAAGCAATCCAAGGGCTGTGCAGCTACCACCAG CACATTTTTCTCAGCCAGCCCCCAATCTTCTCCACACAGCCCTCCTTATGGATCGCCTT CTCGTTGAAATTAATCCACAGCCACAGTAACATTAATGCAGCAGGAGTCGGGGACTCG GTTCTTCGACATGGAAGGGATTTTCTCCAATCTGTGTAGCTAGCAGCCACAGCACTC AAAATCTGCCTGGCTCTGTCCAGGATCGAAGCAGCGTGGACGGCCACGGGGAAATCCCT CATCTGTGCGGGCAGCTGCCTGCAACTCGTATCCCCCCCCCTCCACCACACCCCCCTCC TGGGCACGCTACCCCCCCCCACCTCACGCACCCCCCCCCACATCAACCTCCTCCCCCCT TTTTACCCCAATCCCCCTACCCCAACTCTCCCCCCCCCTCCCCACCTCTCCCGACTCTC GCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCTCTCCCTTCCCCTTCTCCTCCTGATT TATCTCTCTCATCCACCCCGCTTTTTTCCATTGCCCCCTCTCGAAACTCCGTTCTCCTC CTCCCCCTATTCCCCCCCCGCCATTCCCTCCCCCCCCCGTTTCCCTCCCTACGCCTCC CATCCTTTTTCCAGTCCCGCTCGTCCCCCTCCCC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001780
Insert Size:	1000 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001780.3, NP_001771.1</u>
RefSeq Size:	916 bp
RefSeq ORF:	717 bp
Locus ID:	967
UniProt ID:	<u>P08962</u>
Cytogenetics:	12q13.2
Domains:	transmembrane4
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Lysosome
Gene Summary:	<p>The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression. Alternative splicing results in multiple transcript variants encoding different protein isoforms. [provided by RefSeq, Apr 2012]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (A). Variants 1, 3, 4, 5 and 10 encode the same isoform A.</p>