

## Product datasheet for **SC324357**

### 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:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001780.4  
GGCCGGGGGGCGCAGCTAGAGAGCCCCGGAGCCCGCGGGAGAGGAACGCGCAGCCAGC  
CTTGGGAAGCCCCAGGCCCGCAGCCATGGCGGTGGAAGGAGGAATGAAATGTGTGAAGTT  
CTTGCTCTACGTCTCTGCTGGCCTTTTGCCTGTGAGTGGGACTGATTGCCGTGGG  
TGTCGGGGCACAGCTTGTCTGAGTCAGACCATAATCCAGGGGGCTACCCCTGGCTCTCT  
GTTGCCAGTGGTCATCATCGCAGTGGGTGCTTCTCTTCTGGTGGCTTTTGTGGGCTG  
CTGCGGGGCTGCAAGGAGAATTTGTCTTATGATCACGTTTGGCATCTTTCTGTCTCT  
TATCATGTTGGTGGAGGTGGCCGAGCCATTGCTGGCTATGTGTTTAGAGATAAGGTGAT  
GTCAGAGTTTAAACAACCTCCGGCAGCAGATGGAGAATTACCCGAAAAACAACCACAC  
TGCTTCGATCCTGGACAGGATGCAGGCAGATTTTAAAGTGTGTGGGGCTGCTAACTACAC  
AGATTGGGAGAAAATCCCTTCCATGTGCAAGAACCGAGTCCCGACTCCTGCTGCATTAA  
TGTTACTGTGGGCTGTGGGATTAATTTCAACGAGAAGGCGATCCATAAGGAGGGCTGTGT  
GGAGAAGATTGGGGGCTGGCTGAGGAAAAATGTGCTGGTGGTAGCTGCAGCAGCCCTTGG  
AATTGCTTTTGTGAGGTTTTGGGAATTGTCTTTGCCTGCTGCCTCGTGAAGAGTATCAG  
AAGTGGCTACGAGGTGATGTAGGGTCTGGTCTCCTCAGCCTCCTCATCTGGGGAGTGG  
AATAGTATCCTCCAGTTTTTCAATTAACGGATTATTTTTTCAAAAAAAAAAAAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001780

**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).



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<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001780.4</a> , <a href="#">NP_001771.1</a>
<b>RefSeq Size:</b>	1031 bp
<b>RefSeq ORF:</b>	717 bp
<b>Locus ID:</b>	967
<b>UniProt ID:</b>	<a href="#">P08962</a>
<b>Cytogenetics:</b>	12q13.2
<b>Domains:</b>	transmembrane4
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Lysosome
<b>Gene Summary:</b>	<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>