

## Product datasheet for **SC330617**

### CD63 (NM\_001257401) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** CD63 (NM\_001257401) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** CD63  
**Synonyms:** LAMP-3; ME491; MLA1; OMA81H; TSPAN30  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330617 representing NM\_001257401.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGATCACGTTTGCCATCTTTCTGTCTCTTATCATGTTGGTGGAGGTGGCCGAGCCATTGCTGGCTAT  
 GTGTTTAGAGATAAGGTGATGTCAGAGTTTAATAACAACCTCCGGCAGCAGATGGAGAATTACCCGAAA  
 AACAAACCACTGCTTCGATCCTGGACAGGATGCAGGCAGATTTTAAGTGTGTGGGGCTGCTAACTAC  
 ACAGATTGGGAGAAAATCCCTTCATGTCGAAGAACCAGTCCCCGACTCCTGCTGCATTAATGTTACT  
 GTGGGCTGTGGGATTAATTTCAACGAGAAGGCGATCCATAAGGAGGGCTGTGTGGAGAAGATTGGGGGC  
 TGGCTGAGGAAAATGTGCTGGTGGTAGCTGCAGCAGCCCTTGAATTGCTTTTGTGAGGTTTTGGGA  
 ATTGCTTTGCCTGCTGCCTCGTGAAGAGTATCAGAAGTGGCTACGAGGTGATG**TAG**

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001257401  
**Insert Size:** 471 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).


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<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>	<u>NM_001257401.1</u>
<b>RefSeq Size:</b>	946 bp
<b>RefSeq ORF:</b>	471 bp
<b>Locus ID:</b>	967
<b>UniProt ID:</b>	<u>P08962</u>
<b>Cytogenetics:</b>	12q13.2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Lysosome
<b>MW:</b>	17.3 kDa
<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 (9) contains a distinct 5' UTR exon and lacks an in-frame portion of the 5' coding region, compared to variant 1. The resulting isoform (D) has a shorter N-terminus, compared to isoform A. Variants 8 and 9 encode the same isoform D.</p>