

Product datasheet for **RC232162**

CD63 (NM_001257392) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD63 (NM_001257392) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: CD63
Synonyms: LAMP-3; ME491; MLA1; OMA81H; TSPAN30
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC232162 representing NM_001257392
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGTGGAAGGAGGAATGAAATGTGTGAAGTTCTTGCTCTACGTCCTCTGCTGGCCTTTTGC
CTACCCCTGGCTCTCTGTTGCCAGTGGTCATCATCGAGTGGGTGCTTCCTCTTCTGGTGGCTTTTGT
GGGCTGCTGCGGGCCTGCAAGGAGAACTATTGTCTTATGATCAGTTTGCCATCTTTCTGTCTCTATC
ATGTTGGTGGAGGTGGCCGAGCCATTGCTGGCTATGTGTTAGAGATAAGGTGATGTCAGAGTTTAATA
ACAACCTCCGGCAGCAGATGGAGAATTACCCGAAAAACAACCACACTGCTTCGATCCTGGACAGGATGCA
GGCAGATTTTAAGTGCTGTGGGGCTGCTAACTACACAGATTGGGAGAAAATCCCTTCCATGTGCAAGAAC
CGAGTCCCCGACTCCTGCTGCATTAATGTTACTGTGGGCTGTGGGATTAATTTCAACGAGAAGGCGATCC
ATAAGGAGGGCTGTGTGGAGAAGATTGGGGCTGGCTGAGGAAAATGTGCTGGTGGTAGCTGCAGCAGC
CCTTGAATTGCTTTTGTGCGAGGTTTGGGAATTGTCTTTGCCTGCTGCCTCGTGAAGAGTATCAGAAGT
GGCTACGAGGTGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232162 representing NM_001257392
 Red=Cloning site Green=Tags(s)

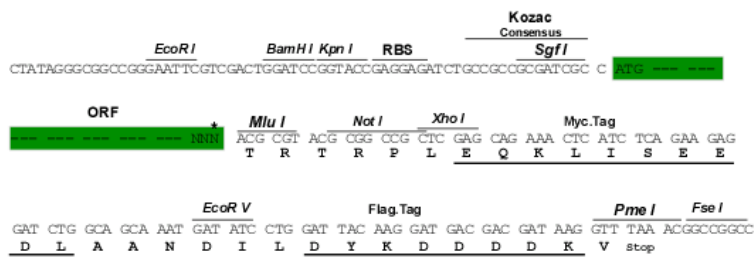
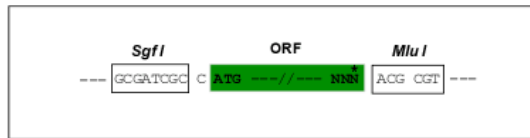
MAVEGGMKCVKFLLYVLLLAFCGATPGSLLPVVIIAVGVFLFLVAFVGGCGACKENYCLMITFAIFLSLI
 MLVEVAAAIAGYVFRDKVMSEFNNNFRQQMENYPKNNHTASILDRMQADFCKCGAANYTDWEKIPMSKN
 RVPDSCCINVTGCGINFNEKAIHKKEGCVKIGGWLRRKNVLVAAAALGIAFVEVLGIVFACCLVKSIRS
 GYEVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

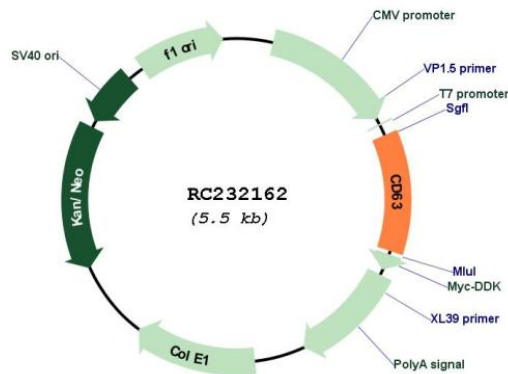
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001257392

ORF Size: 645 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001257392.1 , NP_001244321.1
RefSeq Size:	777 bp
RefSeq ORF:	648 bp
Locus ID:	967
UniProt ID:	P08962
Cytogenetics:	12q13.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Lysosome
MW:	23.9 kDa
Gene Summary:	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]