

## Product datasheet for MR202922

### Cd63 (NM\_001042580) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Cd63 (NM_001042580) Mouse Tagged ORF Clone                        |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Cd63  |
| Synonyms:                 | C75951; ME491; Tspan30  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >MR202922 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGTGGAAGGAGGAATGAAGTGTGTCAAGTTTTTGCTCTACGTTCTCCTGCTGGCCTTCTGCGCT  
GTGCAGTGGGATTGATCGCCATTGGTGTAGCGTTCAGTTGTCTTGAAGCAGGCCATTACCCATGAGAC  
TACTGCTGGCTCGCTGTTGCCTGTGGTCATCATTGCAGTGGTGCCTTCTCTTCTGGTGGCCTTTGTG  
GGCTGCTGTGGGCTGCAAGGAGAACTACTGTCTCATGATTACATTTGCCATCTTCTGTCTTTATCA  
TGCTTGTGGAGGTGGCTGTGGCCATTGCTGGCTATGTGTTTAGAGACCAGGTGAAGTCAGAGTTAATAA  
AAGCTTCCAGCAGCAGATGCAGAATTACCTTAAAGACAACAAAACAGCCACTATTTTGGACAAATTGCAG  
AAAGAAAATAACTGCTGTGGAGCTTCTAACTACACAGACTGGGAAAACATCCCCGGCATGGCCAAGGACA  
GAGTCCCCGATTCTTGTGCATCAACATAACTGTGGGCTGTGGGAATGATTTCAAGGAATCCACTATCCA  
TACCCAGGGCTGCGTGGAGACTATAGCAATATGGCTAAGGAAGAACAATACTGCTGGTGGCTGCAGCGCC  
CTGGGCATTGCTTTGTGGAGTCTTGGGAATTATCTTCTCCTGCTGTCTGGTGAAGATTCGAAGTG  
GCTATGAAGTAATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR202922 protein sequence  
Red=Cloning site Green=Tags(s)

MAVEGGMKCVKFLLYVLLLAFCACAVGLIAIGVAVQVVLKQAIHETTAGSLLPVVIIAVGAFLLVAFV  
 GCCGACKENYCLMITFAIFLSLIMLVEVAIAIGYVFRDQVKSEFNKSFQQMQNYLKDNKTATILDKLQ  
 KENNCCGASNYTDWENIPGMAKDRVDPDSCCINIVGCGNDFKESTIHTQGCVETIAIWLKRNILLVAAAA  
 LGIAFVEVLGIIFSCCLVKSIRSGYEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001042580

**ORF Size:** 717 bp

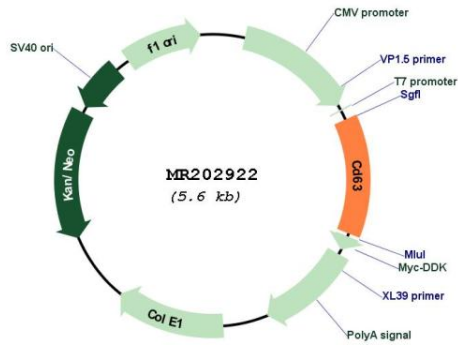
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

|                               |  |
|-------------------------------|--|
| <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>                | <u><a href="#">NM_001042580.1</a></u> , <u><a href="#">NP_001036045.1</a></u>  |
| <b>RefSeq Size:</b>           | 959 bp   |
| <b>RefSeq ORF:</b>            | 717 bp   |
| <b>Locus ID:</b>              | 12512  |
| <b>UniProt ID:</b>            | <u><a href="#">P41731</a></u>  |
| <b>Cytogenetics:</b>          | 10 77.19 cM  |
| <b>MW:</b>                    | 25.8 kDa   |
| <b>Gene Summary:</b>          | Functions as cell surface receptor for TIMP1 and plays a role in the activation of cellular signaling cascades. Plays a role in the activation of ITGB1 and integrin signaling, leading to the activation of AKT, FAK/PTK2 and MAP kinases. Promotes cell survival, reorganization of the actin cytoskeleton, cell adhesion, spreading and migration, via its role in the activation of AKT and FAK/PTK2. Plays a role in VEGFA signaling via its role in regulating the internalization of KDR/VEGFR2. Plays a role in intracellular vesicular transport processes, and is required for normal trafficking of the PMEL luminal domain that is essential for the development and maturation of melanocytes. Plays a role in the adhesion of leukocytes onto endothelial cells via its role in the regulation of SELP trafficking. May play a role in mast cell degranulation in response to Ms4a2/FceRI stimulation, but not in mast cell degranulation in response to other stimuli.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for MR202922