

Product datasheet for MR202911

Cd63 (BC089543) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd63 (BC089543) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd63
Synonyms:	ME491, Tspan30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202911 representing BC089543 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGGAAGGAGGAATGAAGTGTGTCAAGTTTTTGCTCTACGTTCTCCTGCTGGCCTTCTGCGCCT
GTGCAGTGGGATTGATCGCCATTGGTGTAGCGTTCAGGTTGTCTTGAAGCAGGCCATTACCCATGAGAC
TACTGCTGGCTCGCTGTTGCCTGTGGTCATCATTGCAGTGGGTGCCTTCTCTTCTGGTGGCCTTTGTG
GGCTGCTGTGGGCCTGCAAGGAGAACTACTGTCTCATGATTACATTTGCCATCTTCTGTCTCTTATCA
TGCTTGTGGAGGTGGCTGTGGCCATTGTGGCTATGTGTTTAGAGACCAGGTGAAGTCAGAGTTAATAA
AAGCTTCCAGCAGCAGATGCAGAATTACCTTAAAGACAACAAAACAGCCACTATTTGGACAAATTGCAG
AAAGAAAATAACTGCTGTGGAGCTTCTAACTACACAGACTGGGAAAACATCCCCGGCATGGCCAAGGACA
GAGTCCCCGATTCTTGTGCATCAACATAACTGTGGGCTGTGGGAATGATTTCAAGGAATCCACTATCCA
TACCCAGGGCTGCGTGGAGACTATAGCAATATGGCTAAGGAAGAACAATACTGCTGGTGGCTGCAGCGGCC
CTGGGCATTGCTTTTGTGGAGGTCTTGGGAATTATCTTCTCCTGCTGTCTGGTGAAGATTCGAAGTG
GCTATGAAGTAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202911 representing BC089543
Red=Cloning site Green=Tags(s)

MAVEGGMKCVKFLLYVLLLAFCACAVGLIAIGVAVQVVLKQAIHETTASLLPVVIIAVGAFLLVAFV
 GCCGACKENYCLMITFAIFLSLIMLVEVAVAIAGYVFRDQVKSEFNKSFQQMQNYLKDNKTATILDKLQ
 KENNCCGASNYTDWENIPGMAKDRVDPDSCCINITVGCNDFKESTIHTQGCVETIAIWLKRNILLVAAAA
 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: BC089543

ORF Size: 714 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:**
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: [BC089543](#)

RefSeq Size: 1127 bp

RefSeq ORF: 716 bp

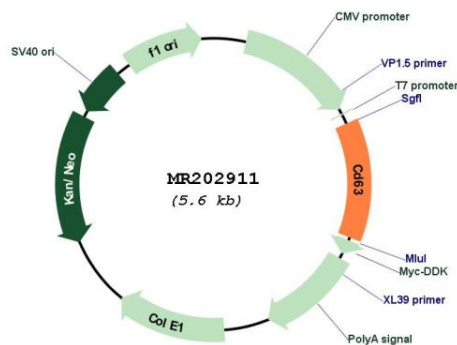
Locus ID: 12512

Cytogenetics: 10 77.19 cM

MW: 41.3 kDa

Gene Summary: 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 MR202911