

Product datasheet for **MG202911**

Cd63 (BC089543) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd63 (BC089543) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd63
Synonyms:	ME491, Tspan30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202911 representing BC089543 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGGAAGGAGGAATGAAGTGTGTCAAGTTTTTGCTCTACGTTCTCCTGCTGGCCTTCTGCGCCT
GTGCAGTGGGATTGATCGCCATTGGTGTAGCGGTTGAGTTGTCTTGAAGCAGGCCATTACCCATGAGAC
TACTGCTGGCTCGCTGTTGCCTGTGGTCATCATTGCAGTGGTGCCTTCTCTTCTGGTGGCCTTTGTG
GGCTGCTGTGGGCCTGCAAGGAGAACTACTGTCTCATGATTACATTTGCCATCTTCTGTCTCTTATCA
TGCTTGTGGAGGTGGCTGTGGCCATTGTGGCTATGTGTTTAGAGACCAGGTGAAGTCAGAGTTAATAA
AAGCTTCCAGCAGCAGATGCAGAATTACCTTAAAGACAACAAAACAGCCACTATTTTGGACAAATTGCAG
AAAGAAAATAACTGCTGTGGAGCTTCTAACTACACAGACTGGGAAAACATCCCCGGCATGGCCAAGGACA
GAGTCCCCGATTCTTGTGCATCAACATAACTGTGGGCTGTGGGAATGATTTCAAGGAATCCACTATCCA
TACCCAGGGCTGCGTGGAGACTATAGCAATATGGCTAAGGAAGAACAATACTGCTGGTGGCTGCAGCGGCC
CTGGGCATTGCTTTTGTGGAGTCTTGGGAATTATCTTCTCCTGCTGTCTGGTGAAGATTCGAAGTG
GCTATGAAGTAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG202911 representing BC089543
Red=Cloning site Green=Tags(s)

MAVEGGMKCVKFLLYVLLLAFCACAVGLIAIGVAVQVVLKQAIHETTAGSLLPVVIIAVGAFLLVAFV
 GCCGACKENYCLMITFAIFLSLIMLVEVAIAIAGYVFRDQVKSEFNKSFQQMQNYLKDNKTATILDKLQ
 KENNCCGASNYTDWENIPGMAKDRVPDSCCINITVGCNDFKESTIHTQGCVETIAIWLKRNILLVAAAA
 LGIAFVEVLGIIFSCCLVKSIRSRYEVM

TRTRPLE - GFP Tag - V

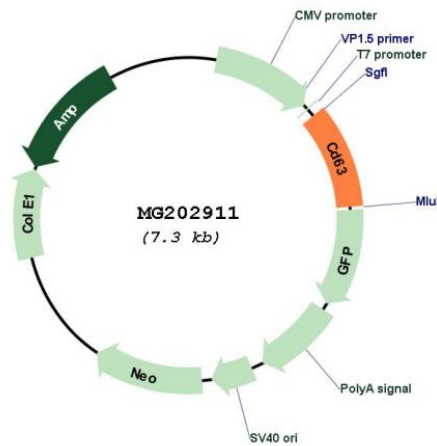
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC089543

ORF Size: 716 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:	BC089543
RefSeq Size:	1127 bp
RefSeq ORF:	716 bp
Locus ID:	12512
Cytogenetics:	10 77.19 cM
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]