

Product datasheet for **MG219757**

Cd82 (NM_001136055) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd82 (NM_001136055) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cd82
Synonyms: AA682076; AL023070; C33; IA4; Kai1; Tspan27
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG219757 representing NM_001136055
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGGCAGGCTGTGTCAAAGTCACCAAGTATTTCTCTTCTTCAACTTGCTGTTCTTTATCCTGG
 GTGCTGTGATCCTGGGCTTCGGGGTGTGGATTCTTGCAGACAAGAACAGCTTCATTTCCGTCCTACAAAC
 CTCATCCAGCTCGCTGCAGGTGGGGCTTACGTCTTCATCGGTGTGGGCGCCATCACCATAGTGATGGC
 TTCCTGGGCTGTATCGGTGCTGCAATGAGGTCCGCTGCTTGCTGGGTCTGTACTTGTCTTCTTCTG
 TGATCCTCATCGCACAGGTGACCGTAGGGTCTCTTCTACTTCAACGCTGACAAGCTGAAGAAGGAGAT
 GGGGAACACAGTGATGGACATCATTGCAACTACACTGCCAATGCCACCAAGTAGCCGCGAGGAGGCTGG
 GACTACGTGCAGGCGCAGGTCAAGTGCTGTGGCTGGGTGACCCACTACAACCTGGACAGAGAACGAGGAGC
 TCATGGGCTTTACCAAGACCACTTACCCATGCTCCTGCGAGAAGATCAAGGAAGAGGACAACCAGCTCAT
 TGTGAAGAAAGGATTCTGTGAGGCTGATAACAGCACTGTGAGCGAAAACAACCTGAGGATTGGCCTGTG
 AACACTGAGGGCTGCATGGAGAAGGCGCAGGCTGGCTTCAGGAGAACTTCGGCATCCTTCTGGGCGTGT
 GTGCTGGTGTGCTGTCATTGAGCTGCTGGGGTGTTCCTGTCCATATGTTTGTGCCGTACATTCATTC
 TGAAGACTACAGCAAGGTCCCAAGTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG219757 representing NM_001136055
Red=Cloning site Green=Tags(s)

MGAGCVKVTKYFLFLFNLLFFILGAVILGFGVWILADKNSFISVLQTSSSSLQVGAYVFIGVGAITIVMG
 FLGCIGAVNEVRCLLGLYFVLLLLILIAQVTGVLFFYNADKLLKEMGNTVMDIIRNYTANATSSREEAW
 DYVQAQVKCCGWVSHYNWTENEELMGFTKTTYPCSEKIKEEDNQLIVKKGFCADNSTVSENNPEDWPV
 NTEGCMKAQAWLQENFGILLGVCAGVAVIELLGLFLSICLCRYIHSSEDSKVPKY

TRTRPLE - GFP Tag - V

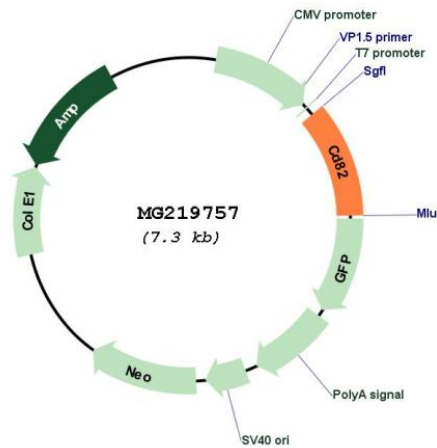
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001136055

ORF Size: 798 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_001136055.2 , NP_001129527.1
RefSeq Size:	1683 bp
RefSeq ORF:	801 bp
Locus ID:	12521
UniProt ID:	P40237
Cytogenetics:	2 51.62 cM
Gene Summary:	Associates with CD4 or CD8 and delivers costimulatory signals for the TCR/CD3 pathway. [UniProtKB/Swiss-Prot Function]