

Product datasheet for **MR219757**

Cd82 (NM_001136055) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd82 (NM_001136055) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd82
Synonyms:	AA682076; AL023070; C33; IA4; Kai1; Tspan27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR219757 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGGGGCAGGCTGTGTCAAAGTCACCAAGTATTTCTCTTCTTCAACTTGCTGTTCTTTATCCTGG
GTGCTGTGATCCTGGGCTTCGGGGTGTGGATTCTTGCAGACAAGAACAGCTTCATTTCCGTCCTACAAAC
CTCATCCAGCTCGCTGCAGGTGGGGCTTACGTCTTCATCGGTGTGGGCGCCATCACCATAGTGATGGGC
TTCTGGGCTGTATCGGTGCTGCAATGAGGTCCGCTGCTTGCTGGGTCTGTACTTTGTCTTCTTCTG
TGATCCTCATCGCACAGGTGACCGTAGGGTCTTCTACTTCAACGCTGACAAGCTGAAGAAGGAGAT
GGGGAACACAGTGATGGACATCATTGCAACTACACTGCCAATGCCACCAAGTAGCCGCGAGGAGGCTGG
GACTACGTGCAGGCGCAGGTCAAGTGCTGTGGCTGGGTGACCCACTACAACCTGGACAGAGAACGAGGAGC
TCATGGGCTTTACCAAGACCACTTACCCATGCTCCTGCGAGAAGATCAAGGAAGAGGACAACCAGCTCAT
TGTGAAGAAAGGATTCTGTGAGGCTGATAACAGCACTGTGAGCGAAAACAACCTGAGGATTGGCCTGTG
AACACTGAGGGCTGCATGGAGAAGGCGCAGGCGTGGCTTCAGGAGAACTTCGGCATCCTTCTGGGCGTGT
GTGCTGGTGTGCTGTCATTGAGCTGCTGGGGTGTTCCTGTCCATATGTTTGTGCCGTACATTCATTC
TGAAGACTACAGCAAGGTCCCAAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219757 protein sequence
Red=Cloning site Green=Tags(s)

MGAGCVKVTKYFLFLFNLLFFILGAVILGFGVWILADKNSFISVLQTSSSSLQVGAYVFIGVGAITIVMG
 FLGCIGAVNEVRCLLGLYFVFLLLILIAQVTVGVLFFYNADKLLKEMGNTVMDIIRNYTANATSSREEAW
 DYVQAQVKCCGWVSHYNWTENEELMGFTKTTYPCSEKIKEEDNQLIVKKGFCADNSTVSENNPEDWPV
 NTEGCMKAQAWLQENFGILLGVCAGVAVIELLGLFLSICLCRYIHSSEDSYKVPKY

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_001136055

ORF Size: 801 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: [NM_001136055.2](#), [NP_001129527.1](#)

RefSeq Size: 1701 bp

RefSeq ORF: 801 bp

Locus ID: 12521

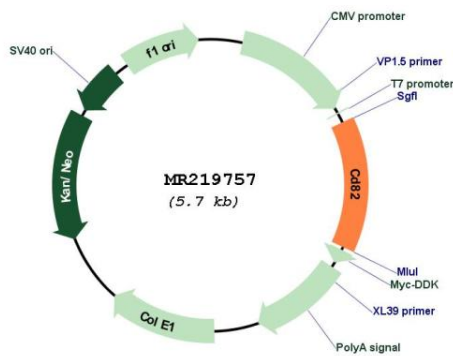
UniProt ID: [P40237](#)

Cytogenetics: 2 51.62 cM

MW: 29.6 kDa

Gene Summary: Associates with CD4 or CD8 and delivers costimulatory signals for the TCR/CD3 pathway. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219757