

Product datasheet for **MC208261**

Cd82 (NM_007656) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd82 (NM_007656) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cd82
Synonyms: AA682076; AL023070; C33; IA4; Kai1; Tspan27
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC208261 representing NM_007656
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGGCAGGCTGTGTCAAAGTCACCAAGTATTTCTCTTCTTCAACTTGCTGTTCTTTATCCTGG
GTGCTGTGATCCTGGGCTTCGGGGTGTGGATTCTTGCAGACAAGAACAGCTTCATTTCCGTCCTACAAAC
CTCATCCAGCTCGCTGCAGGTGGGGCTTACGTCTTCATCGGTGTGGGCGCCATCACCATAGTGATGGGC
TTCCTGGGCTGTATCGGTGCTGCAATGAGGTCCGCTGCTTGCTGGGTCTGTACTTTGTCTTCTTCTG
TGATCCTCATCGCACAGGTGACCGTAGGGTCTCTTCTACTTCAACGCTGACAAGCTGAAGAAGGAGAT
GGGGAACACAGTGATGGACATCATTGCAACTACACTGCCAATGCCACCAAGTAGCCGCGAGGAGGCTGG
GACTACGTGCAGGCGCAGGTCAAGTGCTGTGGCTGGGTGACCCACTACAACCTGGACAGAGAACGAGGAGC
TCATGGGCTTTACCAAGACCACTTACCCATGCTCCTGCGAGAAGATCAAGGAAGAGGACAACCAGCTCAT
TGTGAAGAAAGGATTCTGTGAGGCTGATAACAGCACTGTGAGCGAAAACAACCTGAGGATTGGCCTGTG
AACACTGAGGGCTGCATGGAGAAGGCGCAGGCGTGGCTTCAGGAGAACTTCGGCATCCTTCTGGGCGTGT
GTGCTGGTGTGCTGTCATTGAGCTGCTGGGTTGTTCTGTCCATATGTTTGTGCCGTACATTCATTC
TGAAGACTACAGCAAGGTCCCAAGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_007656
Insert Size: 801 bp



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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 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](#)

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_007656.5](#), [NP_031682.1](#)

RefSeq Size: 1833 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]
 Transcript Variant: This variant (1) represents the predominant transcript. Variants 1, 2, 3, 4, 5, 6 and 7 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.