

Product datasheet for **MC226684**

Cd82 (NM_001271431) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd82 (NM_001271431) Mouse Untagged Clone
Tag: Tag Free
Symbol: Cd82
Synonyms: AA682076; AL023070; C33; IA4; Kai1; Tspan27
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226684 representing NM_001271431
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGGCAGGCTGTGTCAAAGTCACCAAGTATTTCTCTTCTTCAACTTGCTGTTCTTTATCCTGG
GTGCTGTGATCCTGGGCTTCGGGGTGTGGATTCTGCAGACAAGAAGCAGCTTCATTTCCGTCCTACAAC
CTCATCCAGCTCGCTGCAGGTGGGGCTTACGTCTTCATCGGTGTGGCGCCATCACCATAGTGATGGGC
TTCTGGGCTGTATCGGTGCTGTCAATGAGGTCCGCTGCTTGCTGGGCTGTACTTTGTCTTCTTCTGC
TGATCCTCATCGCACAGGTGACCGTAGGGTCTCTTCTACTTCAACGCTGACAAGCTGAAGAAGGAGAT
GGGGAACACAGTGATGGACATCATTGCAACTACACTGCCAATGCCACCAGTAGCCGCGAGGAGGCTGG
GACTACGTGCAGGCGCAGGTCAAGTGTGTGGCTGGGTCAGCCACTACAAGTGGACAGAGAACGAGGAGC
TCATGGGCTTTACCAAGACCACTTACCCATGCTCCTGCGAGAAGATCAAGGAAGAGGACAACCAGCTCAT
TGTGAAGAAAGGATTCTGTGAGGCTGATAACAGCACTGTGAGCGAAAACAACCCTGAGGATTGGCCTGTG
AACACTGAGGGCTGCATGGAGAAGGCGCAGGCGTGGCTTCAGGAGAACTTCGGCATCCTTCTGGGCGTGT
GTGCTGGTGTGCTGCTATTGAGCTGCTGGGGTGTTCCTGTCCATATGTTTGTGCCGGTACATTCATTC
TGAAGACTACAGCAAGGTCCCAAGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001271431
Insert Size: 801 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001271431.1, NP_001258360.1</u>
RefSeq Size:	1625 bp
RefSeq ORF:	801 bp
Locus ID:	12521
UniProt ID:	<u>P40237</u>
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 (7) differs in the 5' UTR and represents use of an alternate promoter, compared to variant 1. 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.