

## Product datasheet for **MC226686**

### Cd82 (NM\_001271461) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cd82 (NM\_001271461) 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:** >MC226686 representing NM\_001271461  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGGGCAGGCTGTGTCAAAGTCACCAAGTATTTCTCTTCTTCAACTTGCTGTTCTTTATCCTGG  
GTGCTGTGATCCTGGGCTTCGGGGTGTGGATTCTGCAGACAAGAAGAGCTTCATTTCCGTCCTACAAC  
CTCATCCAGCTCGCTGCAGGTGGGGCTTACGTCTTCATCGGTGTGGGCGCCATCACCATAGTGATGGGC  
TTCTGGGCTGTATCGGTGCTGTCAATGAGGTCCGCTGCTTGCTGGGCTGTACTTTGTCTTCTTCTGCTG  
TGATCCTCATCGCACAGGTGACCGTAGGGGTCCTTCTACTTCAACGCTGACAAGCTGAAGAAGGAGAT  
GGGGAACACAGTGATGGACATCATTGCAACTACACTGCCAATGCCACCAGTAGCCGCGAGGAGGCTGG  
GACTACGTGCAGGCGCAGGTCAAGTGTGTGGCTGGGTCAGCCACTACAAGTGGACAGAGAACGAGGAGC  
TCATGGGCTTTACCAAGACCACTTACCCATGCTCCTGCGAGAAGATCAAGGAAGAGGACAACCAGCTCAT  
TGTGAAGAAAGGATTCTGTGAGGCTGATAACAGCACTGTGAGCGAAAACAACCCCTGAGGATTGGCCTGTG  
AACACTGAGGGCTGCATGGAGAAGGCGCAGGCGTGGCTTCAGGAGAACTTCGGCATCCTTCTGGGCGTGT  
GTGCTGGTGTGCTGCTATTGAGCTGCTGGGGTGTTCCTGTCCATATGTTTGTGCCGGTACATTCATTC  
TGAAGACTACAGCAAGGTCCCAAGTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271461  
**Insert Size:** 801 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001271461.1</a></u> , <u><a href="#">NP_001258390.1</a></u>
<b>RefSeq Size:</b>	1712 bp
<b>RefSeq ORF:</b>	801 bp
<b>Locus ID:</b>	12521
<b>UniProt ID:</b>	<u><a href="#">P40237</a></u>
<b>Cytogenetics:</b>	2 51.62 cM
<b>Gene Summary:</b>	Associates with CD4 or CD8 and delivers costimulatory signals for the TCR/CD3 pathway. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (6) 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.