

Product datasheet for **MG219448**

Cd83 (NM_009856) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd83 (NM_009856) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Cd83
Synonyms: MGC130312; MGC130313
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG219448 representing NM_009856
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGAAGGCCTCCAGCTCCTGTTTCTAGGCTGCGCCTGCAGCCTGGCACCCGCGATGGCGATGCGGG
 AGGTGACGGTGGCTTGTCCGAGACCGCCGACTTGCCCTGCACAGCGCCCTGGGACCCGAGCTCTCCTA
 TGCAGTGTCTGGCCAAGGTCTCCGAGAGTGGCACTGAGAGTGTGGAGCTCCCGAGAGCAAGCAAAC
 AGCTCCTCGAGGCCCCAGGAGAAGGGCCTATCCCTGACGATCCAAAACACTACCATCTGCAGCTCGG
 GCACCTACAGGTGTGCCCTGCAGGAGCTCGGAGGGCAGCGCAACTTGAGCGGCACCGTGGTTCTGAAGGT
 GACAGGATGCCCAAGGAAGCTACAGAGTCAACTTTCAGGAAGTACAGGGCAGAAGCTGTGTTGCTCTTC
 TCTCTGTTGTTTTCTACCTGACACTCATTTTTACCTGCAAATTTGCACGACTACAAAGCATTTTCC
 CAGATATTTCTAAACCTGGTACGGAACAAGCTTTTCTCCAGTCACTCCCAAGCAAACATTTGGGGCC
 AGTGACCCTTCTAAGACAGAAACGGTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG219448 representing NM_009856
 Red=Cloning site Green=Tags(s)

MSQGLQLLFLGCACSLAPAMAMREVTVACSETADLPCTAPWDPQLSYAVSWAKVSESGETESVELPESKQN
 SSFEAPRRRAYSLSLIQNTTICSSGTYRCALQELGGQRNLSGTVVLPKVTGCPKEATESTFRKYRAEAVLLF
 SLVVVYLTLLIIFTCKFARLQSIKPGTEQAFPLVTPSPSKHLGPVTLPKTETV

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_009856

ORF Size: 588 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_009856.3](#)

RefSeq Size: 2163 bp

RefSeq ORF: 591 bp

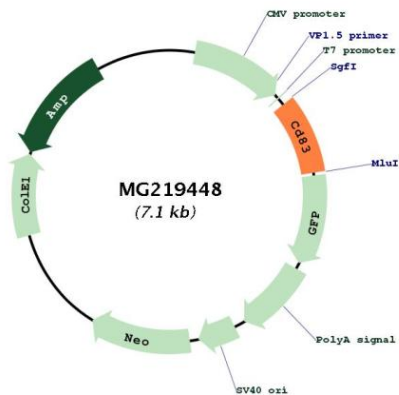
Locus ID: 12522

UniProt ID: [O88324](#)

Cytogenetics: 13 21.6 cM

Gene Summary: May play a significant role in antigen presentation or the cellular interactions that follow lymphocyte activation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG219448