

Product datasheet for **MG202950**

Cd48 (NM_007649) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd48 (NM_007649) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd48
Synonyms:	AI449234; AW610730; Bcm-1; BCM1; BLAST; BLAST-1; BLAST1; MEM-102; Sgp-60; SLAMF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202950 representing NM_007649 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCTTCATAAGACAGGGATGGTGTCTGGTCTGGAAGTCTACTGCTGCCCTTGGAAGTGGATTTT
AAGGTCATTCAATACCAGATATAAATGCCACCACCGGCAGCAATGTAACCCTGAAAATCCATAAGGACCC
ACTTGACCATATAAACGTATCACCTGGCTTCATACTAAAAATCAGAAGATTTTAGAGTACAACATAAT
AGTACAAAGACAATCTTCGAGTCTGAATTTAAAGGCAGGGTTTATCTTGAAGAAAACAATGGTGCACCTTC
ATATCTCTAATGTCCGAAAGAGGACAAAGGTACCTACTACATGAGAGTGCTGCGTGAAAGTGAAGACGA
GTTGAAGATAACCCTGGAAGTATTTGATCCTGTGCCCAAGCCTTCATAGAAATCAATAAGACTGAAGCG
TCGACTGATTCCTGTACCTGAGGCTATCGTGTGAGGTAAGGACCAGCATGTTGACTATACTTGGTATG
AGAGCTCGGGACCTTTCCCAAAAAGAGTCCAGGATATGTGCTCGATCTCATCGTCACACCACAGAACAA
GTCTACATTTTACACCTGCCAAGTCAGCAATCCTGTAAGCAGCAAGAACGACACAGTGTACTTCACTCTA
CCTTGTGATCTAGCCAGATCTTCTGGAGTATGTTGGACTGCAACTTGGCTAGTGGTCACAACACTCATCA
TTCACAGGATCCTGTTAACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

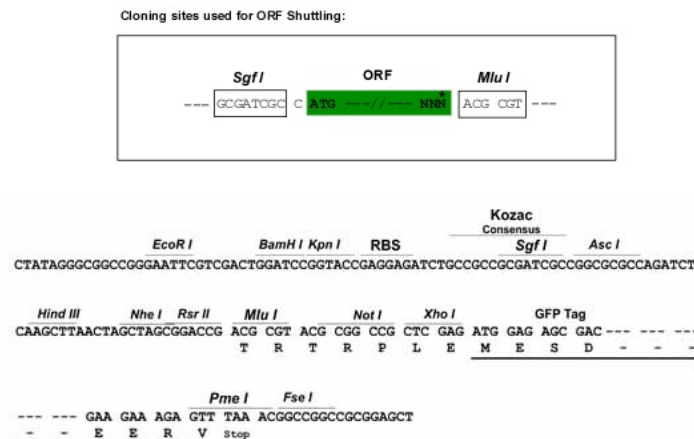
Protein Sequence: >MG202950 representing NM_007649
 Red=Cloning site Green=Tags(s)

MCFIRQGWCLVLELLLLPLGTGFQGHISIPDINATTGSNVTLKIHKDPGPYKRITWLHTKNQKILEYNN
 STKTIFESEFKGRVYLEENNGALHISNRKEDKGTYYMRVLRETENELKITLEVFDVPKPSIEINKTEA
 STDSCHLRLSCEVKDQHDYTWYESSGPFPPKSPGYVLDLIVTPQNKSTFYTCQVSNPVSSKNDTVYFTL
 PCDLARSSGVCWTATWLVTTLIIHRILLT

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007649

ORF Size: 720 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_007649.2](#), [NP_031675.1](#)

RefSeq Size: 1143 bp

RefSeq ORF: 723 bp

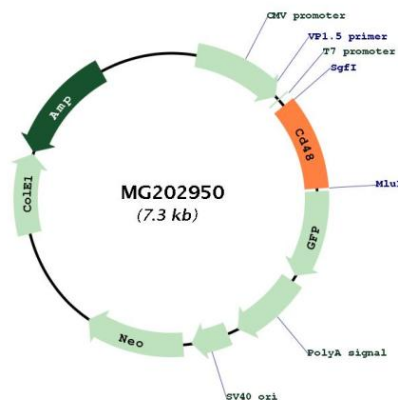
Locus ID: 12506

UniProt ID: [P18181](#)

Cytogenetics: 1 79.54 cM

Gene Summary: Ligand for CD2. Might facilitate interaction between activated lymphocytes. Probably involved in regulating T-cell activation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG202950