

Product datasheet for **MR202950**

Cd48 (NM_007649) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd48 (NM_007649) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd48
Synonyms:	AI449234; AW610730; Bcm-1; BCM1; BLAST; BLAST-1; BLAST1; MEM-102; Sgp-60; SLAMF2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202950 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGCTTCATAAGACAGGGATGGTGTCTGGTCTGGAAGTCTACTGCTGCCCTTGGAACTGGATTTCC
AAGGTCATTCAATACCAGATATAAATGCCACCACCGGCAGCAATGTAACCCTGAAAATCCATAAGGACCC
ACTTGGACCATATAAACGTATCACCTGGCTTCATACTAAAAATCAGAAGATTTTAGAGTACAACATAAT
AGTACAAAGACAATCTTCGAGTCTGAATTTAAAGGCAGGGTTTATCTTGAAGAAAACAATGGTGCACCTTC
ATATCTCTAATGTCCGAAAGAGGACAAAGGTACCTACTACATGAGAGTGCTGCGTGAAACTGAGAACGA
GTTGAAGATAACCCTGGAAGTATTTGATCCTGTGCCCAAGCCTTCATAGAAATCAATAAGACTGAAGCG
TCGACTGATTCCTGTACCTGAGGCTATCGTGTGAGGTAAGGACCAGCATGTTGACTATACTTGGTATG
AGAGCTCGGGACCTTTCCCAAAAAGAGTCCAGGATATGTGCTCGATCTCATCGTCACACCACAGAACAA
GTCTACATTTTACACCTGCCAAGTCAGCAATCCTGTAAGCAGCAAGAACGACACAGTGTACTTCACTCTA
CCTTGTGATCTAGCCAGATCTTCTGGAGTATGTTGGACTGCAACTGGCTAGTGGTCACAACACTCATCA
TTCACAGGATCCTGTTAACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202950 protein sequence
Red=Cloning site Green=Tags(s)

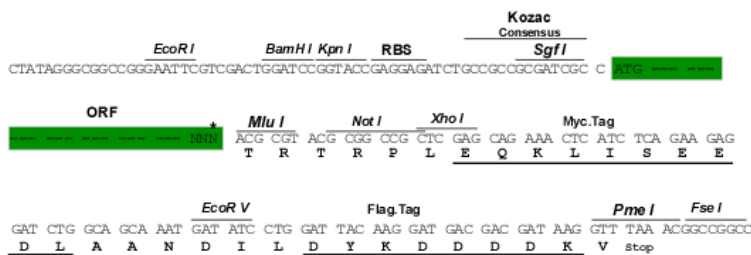
MCFIRQGWCLVLELLLLPLGTGFQGHSPDINATTGSNVLTKIHKDPLGPYKRITWLHTKNQKILEYNYN
 STKTIFESEFKGRVYLEENNGALHISNVRKEDKGTYYMRVLRETENELKITLEVDFPVPKPSIEINKTEA
 STDSCHLRLSCEVKDQHVDTWYESSGPFPPKSPGYVLDLIVTPQNKSTFYTCQVSNPVS SKNDTVYFTL
 PCDLARSSGVCWTATWL VVTLLIHRILLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_007649

ORF Size: 723 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_007649.1](#), [NM_007649.2](#), [NM_007649.3](#), [NM_007649.4](#), [NP_031675.1](#)

RefSeq Size: 1142 bp

RefSeq ORF: 723 bp

Locus ID: 12506

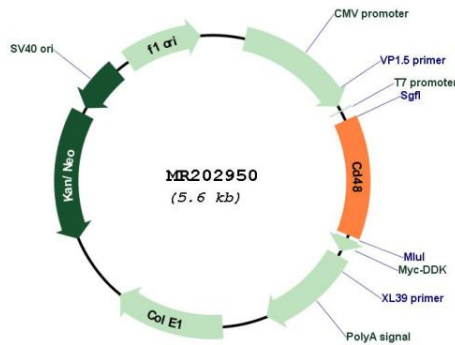
UniProt ID: [P18181](#)

Cytogenetics: 1 79.54 cM

MW: 27.4 kDa

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 MR202950