

Product datasheet for **SC119012**

CD48 (NM_001778) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD48 (NM_001778) Human Untagged Clone
Tag: Tag Free
Symbol: CD48
Synonyms: BCM1; BLAST; BLAST1; hCD48; mCD48; MEM-102; SLAMF2
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001778 edited
 GAATTCGGCAGCAGGCTGTCTCCTGCGTTGCTGGGAAGTTCTGGAAGGAAGCATGTGCTC
 CAGAGTTGGGATTCGTGTCTGGCTCTGGAATTGCTACTGCTGCCTCTGTCACTCCTGGT
 GACCAGCATTCAAGGTCACTTGGTACATATGACCGTGGTCTCCGGCAGCAACGTGACTCT
 GAACATCTCTGAGAGCCTGCCTGAGAACTACAAACAACCTAACCTGGTTTTATACTTTTGA
 CCAGAAGATTGTAGAATGGGATTCAGAAAACTAAGTACTTTGAATCCAAATTTAAAGG
 CAGGGTCAGACTTGATCCTCAGAGTGGCGCACTGTACATCTTAAGTCCAGAAAGAGGA
 CAACAGCACCTACATCATGAGGGTGTGAAAAAGACTGGGAATGAGCAAGAATGGAAGAT
 CAAGCTGCAAGTGCTTGACCCTGTACCAAGCCTGTCATCAAAATGAGAAGATAGAAGA
 CATGGATGACAACTGTTATCTGAACTGTCATGTGTGATACCTGGCGAGTCTGTAACCTA
 CACCTGGTATGGGACAAAAGGCCCTTCCCAAAGGAGCTCCAGAACAGTGTGCTTGAAC
 CACCCTTATGCCACATAATTACTCCAGGTGTTATCTTGCCAAGTCAGCAATTCTGTGAG
 CAGCAAGAATGGCAGCGTCTGCCTCAGTCCACCCTGTACCCTGGCCCGGTCTTTGGAGT
 AGAATGGATTGCAAGTTGGCTAGTGGTCACGGTGGCCACCATTCTTGGCCTGTTACTTAC
 CTGAGATGAGCTCTTTAACTCAAGCGAAACTTCAAGGCCAGAAGATCTTGCCTGTTGGT
 GATCATGCTCCTCACCAGGACAGAGACTGTATAGGCTGACCAGAAGCATGCTGCTGAATT
 ATCAACGAGGATTTTCAAGTTAACTTTTAAATACTGGTTATTATTTAATTTTATATCCCT
 TTGTTGTTTTCTAGTACACAGAGATATAGAGATACACATGCTTTTTTCCACCCAAAATT
 GTGACAACATTATGTGAATGTTTTATTATTTTTTAAAAATAAACATTTGATATAATTATCA
 ATTAAC TGAAAAAAAAAAAAAAAAAACTCGAC



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001778 unedited NTAAGGTTACGATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGCTGCT TCCTGCGTTGCTGGGAAGTTCTGGAAGGAAGCATGTGCTCCAGAGGTTGGGATTCGTGTC TGGCTCTGGAATTGCTACTGCTGCCTCTGTCACTCCTGGTGACCAGCATTCAAGGTCCT TGGTACATATGACCGTGGTCTCCGGCAGCAACGTGACTCTGAACATCTCTGAGAGCCTGC CTGAGAACTACAAACAACTAACCTGGTTTTATACTTTCCGACCAGAAGATTGTAGAATGGG ATTCCAGAAAATCTAAGTACTTTGAATCCAAATTTAAAGGCAGGGTCAGACTTGATCCTC AGAGTGGCGCACTGTACATCTCTAAGGTCCAGAAAGAGGACAACAGCACCTACATCATGA GGGTGTGAAAAAGACTGGGAATGAGCAAGAATGGAAGATCAAGCTGCAAGTGCTTGACC CTGTACCCAAGCCTGTCATCAAAATTGAGAAGATAGAAGACATGGATGACAACTGTTATC TGAAACTGTATGTGTGATACCTGGCGAGTCTGTAAACTACACCTGGTATGGGGACAAAA GGCCCTTCCCAAAGGAGCTCCAGAACAGTGTGCTTGAACACCCTTATGCCACATAATT ACTCCAGTGTTACTTGCCAAGTCAGCAATTCTGTGAGCAGCAAGAATGGCACGGTCT GCCTCAGTCCACCCTGTACCCTGACACCGTCTTTGGAGTAGAATGGATTGCAAGTTGGC TAGTGGTCACGGTGCACACCATTCTGGGCCTGTACTTACCTGAGATGAGCTCTTTTAA CTCAGCGAAACTTCAAGGCCAGNAAGATCTTGCCTGATGGNTGATCATGCTCCTACCAG A</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001778 unedited GCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCAGTTAATTGATAATTATATCAAATG TTTATTTTAAAAAATAATAAAACATTACATAATGTTGTCACAATTTGGGTGGGAAAAA AGCATGTGTATCTCTATATCTCTGTGTACTAGAAAACAACAAAGGGATATAAAATTAAT AATAACAGTATTTAAAAGTTAACTTGAATCCTCGTTGATAATTCAGCAGCATGCTTC TGGTCAGCCTATACAGTCTCTGTCTGGTGAGGAGCATGATCACCAACAGGCAAGATCTT CTGGCCTTGAAGTTTCGCTTGAATAAAAGAGCTCATCTCAGGTAAGTAACAGGCCAAGA ATGGTGGGCACCGTGACCACTAGCCAATTGCAATCCATTCTACTCCAAAGGACCGGGCC AGGGTACAGGGTGGACTGAGGCAGACCGTGCCATTCTGTGCTCACAGAATTGTGACT TGGCAAGTATAACACCTGGAGTAATTATGTGGCATAAGGGTGGTTTCAAGCACACTGTTC TGGAGCTCCTTTGGGAAGGGCCTTTGTCCCATACCAGGTGTAGTTTACAGACTCGCCA GGTATCACACATGACAGTTTCAGAAACAGTTGTCATCCATGTCTCTATCTTCTCAATTT TGATGACAGGCTTGGGTACAGGGTCAAGCACTTGACAGTTGATCTTCCATTCTTGCTCAT TCCAGNCTTTTTCAACACCCTCATGATGTAGGTGCTGTGGCCTTCTTGGACCTAGAG ATGACAGTGCGCACTCTGAGATCAGTCTGACCCTGCTTTAATTTGGATCAAGACTAGAT TTCTTGATCCATCTCAATCTCTGTGCAAGTTAAACAGTTAATGTTGTAGTTTACAGCAGCT TTAGAAAGTAAAGTCCGTGCTGCGGAACACGGATATGCCAAGACCTGATGTTGTACCG AGGACCAGCCCCTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001778
Insert Size:	1120 bp
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).
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:	NM_001778.2 , NP_001769.2
RefSeq Size:	1099 bp
RefSeq ORF:	732 bp
Locus ID:	962
UniProt ID:	P09326
Cytogenetics:	1q23.3
Domains:	IG
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Natural killer cell mediated cytotoxicity
Gene Summary:	<p>This gene encodes a member of the CD2 subfamily of immunoglobulin-like receptors which includes SLAM (signaling lymphocyte activation molecules) proteins. The encoded protein is found on the surface of lymphocytes and other immune cells, dendritic cells and endothelial cells, and participates in activation and differentiation pathways in these cells. The encoded protein does not have a transmembrane domain, however, but is held at the cell surface by a GPI anchor via a C-terminal domain which maybe cleaved to yield a soluble form of the receptor. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter protein (isoform 1).</p>