

Product datasheet for **SC126757**

CD47 (NM_198793) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD47 (NM_198793) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD47
Synonyms:	IAP; MER6; OA3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126757 sequence for NM_198793 edited (data generated by NextGen Sequencing)

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ATGTGGCCCTGGTAGCGCGCTGTTGCTGGGCTCGGCGTCTGCGGATCAGCTCAGCTA
CTATTTAATAAAAACAAAATCTGTAGAATTCACGTTTTGTAAAGACTGTCGTCATTCCA
TGCTTTGTTACTAATATGGAGGCACAAAACACTACTGAAGTATACGTAAAGTGGAAATTT
AAAGGAAGAGATATTTACACCTTTGATGGAGCTCTAAACAAGTCCACTGTCCCCACTGAC
TTTAGTAGTGCAAAAATTGAAGTCTCACAATTACTAAAAGGAGATGCCTCTTTGAAGATG
GATAAGAGTGATGCTGTCTCACACACAGGAACTACACTTGTGAAGTAACAGAATTAACC
AGAGAAGGTGAAACGATCATCGAGCTAAAATATCGTGTTGTTTCATGGTTTTCTCCAAAT
GAAAATATTCTTATTGTTATTTTCCCAATTTTGTACTACTCCTGTTCTGGGGACAGTTT
GGTATTTAAACACTTAAATATAGATCCGGTGGTATGGATGAGAAAACAATTGCTTTACTT
GTTGCTGGACTAGTGATCACTGTCAATTGTCATTGTTGGAGCCATTCTTTTCGTCACAGGT
GAATATTCATTAAGAATGCTACTGGCCTTGGTTAATTGTGACTTCTACAGGGATATTA
ATATTACTTCACTACTATGTGTTTAGTACAGCGATTGGATTAACCTCCTTCGTCATTGCC
ATATTGGTTATTCAGGTGATAGCCTATATCCTCGCTGTGGTTGGACTGAGTCTCTGTATT
GCGGCGTGTATACCAATGCATGGCCCTTCTGATTTTCAGGTTTGAGTATCTTAGCTCTA
GCACAATTACTTGGACTAGTTTATATGAAATTTGTGGCTTCCAATCAGAAGACTATACAA
CCTCCTAGGAATAACTGA
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Clone variation with respect to NM_198793.2



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5' Read Nucleotide Sequence: >OriGene 5' read for NM_198793 unedited
 TTTGTA CTAC GACTACTATAGGGCGGCCGCAATTCGGCACGAGGGCGCGGCCGTGCAG
 CCTGGGCAGTGGGTCTGCCTGTGACGCGCGGGCGGTCGGTCTGCCTGTAACGGCGG
 CGGCGGCTGCTGCTCCAGACACCTGCGGCGGGCGGGCGACCCCGCGGGCGGGCGGAGA
 TGTGGCCCCTGGTAGCGGCGTGTGCTGGGCTCGGCGTGTGCGGATCAGCTCAGCTAC
 TATTTAATAAAAAAAAATCTGTAGAATTCACGTTTTGTAATGACACTGTCGTCAATCCAT
 GCCTTTGTTACTAATATGGAGGCACAAAACACTACTGAAGTATACGTAAAGTGAAATTTA
 AAGGAAGAGATATTTACACCTTTGATGGAGCTCTAAACAAGTCCACTGTCCCACTGACT
 TTAGTAGTGCAAAAATTGAAGTCTCACAATTAATAAAAGGAGATGCCTCTTTGAAGATGG
 ATAAGAGTGATGCTGTCTCACACACAGGAACTACACTTGTGAAGTAACAGAATTAACCA
 GAGAAGGTGAAACGATCATCGAGCTAAAATATCGTGTGTTTCATGGTTTTCTCCAAATG
 AAAATATTCTTATTGTTATTTTCCCAATTTTGTCTATACTCTGTCTGGGGACAGTTTG
 GTATTA AACACTTAAATATAGATCCGGTGGTATGGATGAGAAAACAATTGCTNTACTTG
 TTGCTGGACTAGTGATCACTGTCATTGTCATTGGTGGAGCCATTCTTTTCGTCGCCAGTG
 AATATTCATTAAGAATGCTACTGGCNCCTGNNNTTATTGTGACTTCTCAGGGATATTA
 TATTACTCACTACTATGTNGTTNAGACAGCGATTGGATTAACCTNCTA

3' Read Nucleotide Sequence: >OriGene 3' read for NM_198793 unedited
 GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTCAAAAAAGCTGTCTTGCTAGTA
 TGCTCAGTTTTCTGAGAGGCCTCAGCAGGTCATAAATTTAGGTTTGCCATGGGCAAACTA
 CTTGGTCCCAACATGAAATATGACAATCAATTTGGCATAAAGAGGCACACGGGAAACAT
 CTGATGGACTAAGAAATAACTATTATTAATGCAACTACAAATATGAATATCTTATTACAC
 AAACAGGAAGAATTACGTATTTTTACAGGGTATTGGTGAGCAGTCAAAAAGCGTGGCAAA
 TTACCTAAAAGTTTTAAAGTTTTAAGTGATCAAATATTTGCATCAAATAAATCCACC
 CAATAAAGAACTTTGTATTTAAATGTTTTACTAAAAGCACAAAATTAACCTTTGCTCTC
 CTGTAGGTACCCACCTTTGTCCATACAGAAGATGCATGTGCCTATCTCATACTGATGCA
 CATACAAAACACATCCACAAACAGGTA AAAACGAATGCTAAAAGTCTAAAAGTACTCC
 AGGCGATCACAACGTGTCAGAACATTAATTTTCTTAACCAGGATAGGAAATGTGGGTTT
 TGTTTACTTTTCAATCATAGGGGAAGGGGAGTACGAGGCAGGACTACAGGAGGAAGGTGA
 TGAATGTTTATCACTGCACACAGATAACAACAGTAATAAATCCCCATTCAAGGGCTGGCCT
 GTTGGCCTGATGGTGACACACATTTTGTGCCATGCAGGAGACTCATAGTTCAAATTTCA
 ATCTTGCTTTTTTCATGCCCCAGATCAGAAAAGAGTGGAAGAACACTGTAGATTTTTGCC
 TTCAATCAGAGGAGGGGATACATATGTCACAACCTAGCTTTTTTGTGAAAGTGTGAACC
 AGTGCTTGAGACAAGCTGGCTCCTCCTGCACGGGGCTACGGGGACTAAACATGTTAAAGA
 GGAAAAGTGCTCATCTTGACACAGAGCAAACCAGAGGCAG

Restriction Sites: NotI-NotI

ACCN: NM_198793

Insert Size: 3210 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_198793.2 , NP_942088.1
RefSeq Size:	5288 bp
RefSeq ORF:	918 bp
Locus ID:	961
UniProt ID:	Q08722
Cytogenetics:	3q13.12
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	ECM-receptor interaction
Gene Summary:	<p>This gene encodes a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The encoded protein is also a receptor for the C-terminal cell binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This gene has broad tissue distribution, and is reduced in expression on Rh erythrocytes. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2010]</p> <p>Transcript Variant: This variant (2) lacks two alternate exons compared to variant 1, that causes a frameshift. The resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1.</p>