

Product datasheet for **SC310446**

CD46 (NM_002389) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CD46 (NM_002389) Human Untagged Clone
Tag: Tag Free
Symbol: CD46
Synonyms: AHUS2; MCP; MIC10; TLX; TRA2.10
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_002389 edited
 ATGGAGCCTCCCGCCGCGAGTGCCCTTTCCTTCCCTGGCGCTTTCCTGGGTTGCTT
 CTGGCGCCATGGTGTGCTGCTGACTCCTTCCGATGCCTGTGAGGAGCCACCAACA
 TTTGAAGCTATGGAGCTCATTGGTAAACCAAAACCTACTATGAGATTGGTGAACGAGTA
 GATTATAAGTGTAAAAAGGATACTTCTATATACCTCCTTGGCCACCCATACTATTGT
 GATCGAATCATAACATGGCTACCTGTCTCAGATGACGCCTGTTATAGAGAAACATGTCCA
 TATATACGGGATCCTTTAAATGGCCAAGCAGTCCCTGCAAATGGGACTTACGAGTTTGGT
 TATCAGATGCACTTTATTTGTAATGAGGGTTATTACTTAATTGGTGAAGAAATCTATAT
 TGTGAACCTAAAGGATCAGTAGCAATTTGGAGCGGTAAGCCCCAATATGTGAAAAGTT
 TTGTGTACACCACCTCCAAAAATAAAAAATGAAAAACACACCTTTAGTGAAGTAGAAGTA
 TTTGAGTATCTTGATGCAGTAATTATAGTTGTGATCCTGCACCTGGACCAGATCCATTT
 TCATTTATTGGAGAGACGATTTATTGTGGTACAATTCAGTGTGGAGTCGTGCTGCT
 CCAGAGTGTAAGTGGTCAAATGTCGATTTCCAGTAGTCGAAAATGAAAAACAGATATCA
 GGATTTGAAAAAATTTTACTACAAAGCAACAGTTATGTTTGAATGCGATAAGGGTTTT
 TACCTCGATGGCAGCGACACAATGTCTGTGACAGTAACAGTACTGGGATCCCCAGTT
 CCAAAGTGTCTTAAAGTGTGCTCCATCTAGTACAAAACCTCCAGCTTTGAGTCATTCA
 GTGTCGACTTCTCCACTACAAAATCTCCAGCGTCCAGTGCCTCAGGTCTAGGCCTACT
 TACAAGCCTCCAGTCTCAAATATCCAGGATATCTTAAACCTGAGGAAGGAATACTTGAC
 AGTTTGGATGTTTGGGTCATTGCTGTGATTGTTATTGCCATAGTTGTTGGAGTTGCAGTA
 ATTTGTGTTGTCCGTACAGATATCTTCAAAGGAGGAAGAAGAAAGGCACATACCTAACT
 GATGAGACCCACAGAGAAGTAAAATTTACTTCTCTCTGA

Restriction Sites: Please inquire
ACCN: NM_002389
Insert Size: 3300 bp



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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).
OTI Annotation:	ORF was fully sequenced and matches with that of NM_002389.3 .
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:	<u>NM_002389.3, NP_002380.3</u>
RefSeq Size:	3371 bp
RefSeq ORF:	1179 bp
Locus ID:	4179
UniProt ID:	<u>P15529</u>
Cytogenetics:	1q32.2
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Complement and coagulation cascades
Gene Summary:	<p>The protein encoded by this gene is a type I membrane protein and is a regulatory part of the complement system. The encoded protein has cofactor activity for inactivation of complement components C3b and C4b by serum factor I, which protects the host cell from damage by complement. In addition, the encoded protein can act as a receptor for the Edmonston strain of measles virus, human herpesvirus-6, and type IV pili of pathogenic Neisseria. Finally, the protein encoded by this gene may be involved in the fusion of the spermatozoa with the oocyte during fertilization. Mutations at this locus have been associated with susceptibility to hemolytic uremic syndrome. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (a) represents the longest transcript and encodes isoform 1.</p>