

Product datasheet for **SC124395**

CD46 (NM_153826) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD46 (NM_153826) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD46
Synonyms:	AHUS2; MCP; MIC10; TLX; TRA2.10
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_153826, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCTCCCGCCGCGAGTGTCCCTTTCCTTCTGGCGCTTTCCTGGGTTGCTTCTGGCGCCA  
TGGTGTGCTGCTGTA CTTCTCCGATGCCTGTGAGGAGCCACCAACATTTGAAGCTATGGAGCTCAT  
TGGTAAACAAAACCTACTATGAGATTGGTGAACGAGTAGATTATAAGTGTA AAAAAGGATACTTCTAT  
ATACCTCCTCTTGCCACCATACTATTTGTGATCGGAATCATA CATGGCTACCTGTCTCAGATGACGCCT  
GTTATAGAGAAACATGTCCATATACGGGATCCTTTAAATGGCCAAGCAGTCCCTGCAATGGGACTTA  
CGAGTTTGTTATCAGATGCACTTTATTTGTAATGAGGGTTATTACTTAATTGGTGAAGAAATTCTATAT  
TGTGAAC TAAAGGATCAGTAGCAATTTGGAGCGGTAAGCCCCAATATGTGAAAAGTTTTGTGTACAC  
CACCTCCAAAAATAAAAATGGAAAACACACCTTTAGTGAAGTAGAAGTATTTGAGTATCTTGATGCAGT  
AACTTATAGTTGTGATCCTGCACCTGGACCAGATCCATTTTCACTTATTGGAGAGAGCAGATTTATTGT  
GGTGACAATTCAGTGTGGAGTCGTGCTGCTCCAGAGTGTAAAGTGGTCAAATGTCGATTTCCAGTAGTCG  
AAAATGGAAAACAGATATCAGGATTTGGAAAAAATTTTACTACAAAGCAACAGTTATGTTTGAATGCGA  
TAAGGGTTTTTACCTCGATGGCAGCGACACAATTGCTGTGACAGTAACAGTACTTGGGATCCCCAGTT  
CCAAAGTGTCTTAAAGTGTGCACTTCTTCCACTACAAAATCTCCAGCGTCCAGTGCCTCAGGTCCTAGGC  
CTACTTACAAGCCTCCAGTCTCAAATTATCCAGGATATCCTAAACCTGAGGAAGGAATACTTGACAGTTT  
GGATGTTTGGGTCATTGCTGTGATTGTTATTGCCATAGTTGTTGGAGTTGCAGTAATTTGTGTTGCCG  
TACAGATATCTTCAAAGGAGGAAGAAGAAAGGGAAGCAGATGGTGGAGCTGAATATGCCACTTACCAGA  
CTAAATCAACCACTCCAGCAGAGCAGAGAGGCTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_153826 unedited AATTCGGCACCAGGGACTTCCTGCTCGGCTGGCTCTCGGTTTCTCTGCTTTCCTCCGGA GAAATAACAGCGTCTTCCGCGCCGCGCATGGAGCCTCCCGCCGCGCGAGTGTCCCTTT CCTTCTGGCGCTTTCCTGGGTTGCTTCTGGCGGCCATGGTGTGCTGCTGTACTCCTTC TCCGATGCCTGTGAGGAGCCACCAACATTTGAAGCTATGGAGCTCATTGGTAAACCAAAA CCCTACTATGAGATTGGTGAACGAGTAGATTATAAGTGTAAAAAAGGATACTTCTATATA CCTCCTTGGCCACCCATACTATTTGTGATCGGAATCATACATGGCTACCTGTCTCAGAT GACGCCTGTTATAGAGAAATATGTCCATATACGGGATCCTTTAAATGGCCAAGCAGTC CCTGCAAATGGGACTTACGAGTTTGGTTATCAGATGCACTTTATTTGTAATGAGGGTTAT TACTTAATTGGTGAAGAAATTCTATATTGTGAAGTAAAGGATCAGTAGCAATTTGGAGC GGTAAGCCCCCAATATGTGAAAAGGTTTTGTGTACACCACCTCCAAAAATAAAAAATGGA AAACACACCTTTAGTGAAGTAGAAGTATTTGAGTATCTTGATGCAGTAACTTATAGTTGT GATCCTGCACCTGGACCAGATCCATTTCACTTATTGGAGAGACGATTTATTGTGGT GACAATTCAGTGTGGAGTCGTGCTCCAGAGTGTAAGTGGTCAAATGTCA
Restriction Sites:	NotI-NotI
ACCN:	NM_153826
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_153826.2 , NP_722548.1
RefSeq Size:	3233 bp
RefSeq ORF:	1155 bp
Locus ID:	4179
UniProt ID:	P15529

Cytogenetics:	1q32.2
Domains:	CCP
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Complement and coagulation cascades

Gene Summary: 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]
Transcript Variant: This variant (d) lacks an alternate in-frame exon and an exon containing the stop codon as compared to variant a. The resulting isoform (4) is shorter and has a distinct C-terminus compared to isoform 1.