

## Product datasheet for **SC311386**

### CD36 (NM\_000072) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD36 (NM_000072) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD36
Synonyms:	BDPLT10; CHDS7; FAT; GP3B; GP4; GPIV; PASIV; SCARB3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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## Fully Sequenced ORF:

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>OriGene sequence for NM_000072 edited
GGACTTTCCTGCAGAATACCATTGATCCTATTAAGAATTGTCCAAATGTTGGAGCATT
GATTGAAAAATCCTTCTTAGCCATTTTAAAGATAGCTTCCAATGATTAGACGAATTGAT
TCTTCTGTGACTCATCAGTTTCTTCTGTAAAATTCATGTCTTGTCTGTTGATTGTGA
ATAAGAACCAGAGCTTGTAGAAACCACTTAATCATATCCAGGAGTTTGAAGAAACAGG
TGCTTAACACTAATTCACCTCCTGAACAAGAAAAATGGGCTGTGACCGGAACGTGGGCT
CATCGCTGGGGCTGTCAATTGGTGTCTGCTGGCTGTGTTTGGAGGTATTCTAATGCCAGT
TGGAGACCTGCTTATCCAGAAGACAATTAAGCAAGTTGTCCTCGAAGAAGGTACAAT
TGCTTTTAAAAAATGGGTAAAAACAGGCACAGAAGTTTACAGACAGTTTTGGATCTTTGA
TGTGCAAAATCCACAGGAAGTGATGATGAACAGCAGCAACATTCAAGTTAAGCAAAGAGG
TCCTTATACGTACAGAGTTCGTTTTCTAGCCAAGGAAAAATGTAACCCAGGACGCTGAGGA
CAACACAGTCTCTTCTGCAGCCCAATGGTGCCATCTTCAACCTTCACTATCAGTTGG
AACAGAGGCTGACAACCTCACAGTTCTCAATCTGGCTGTGGCAGCTGCATCCCATATCTA
TCAAAATCAATTTGTTCAATGATCCTCAATTCATTATTAACAAGTCAAAATCTTCTAT
GTTCCAAGTCAGAACTTTGAGAGAAGTGTATGGGGCTATAGGGATCCATTTTTGAGTTT
GGTCCGTACCCTGTTACTACCACAGTTGGTCTGTTTTATCCTTACAACAATACTGCAGA
TGGAGTTTATAAAGTTTTCAATGAAAAAGATAACATAAGTAAAGTTGCCATAATCGACAC
ATATAAAGGTAAGGAATCTGTCTATTGGGAAAGTCACTGCGACATGATTAATGGTAC
AGATGCAGCCTCATTCCACCTTTTGTGAGAAAAGCCAGGATTGCAGTTCTTTTCTTC
TGATATTTGCAGGTCAATCTATGCTGTATTTGAATCCGACGTTAATCTGAAAGGAATCCC
TGTGTATAGATTTGTTCTCCATCCAAGGCCTTGCCTCTCCAGTTGAAAACCCAGACAA
CTATTGTTTCTGCACAGAAAAAATATCTCAAAAAATGTACATCATATGGTGTGCTAGA
CATCAGCAAAATGCAAAGAAGGGAGACCTGTGTACATTTCACTTCCCTCATTTCGTATGC
AAGTCCTGATGTTTCAGAACCTATTGATGGATTAACCCAAATGAAGAAGAACATAGGAC
ATACTTGATATTGAACCTATAACTGGATTCACTTTACAATTTGCAAAACGGCTGCAGGT
CAACCTATTGGTCAAGCCATCAGAAAAAATCAAGTATTAAGAATCTGAAGAGGAACTA
TATTGTGCCTATTCTTTGGCTTAATGAGACTGGGACCATTGGTGTGAGAAGGCAACAT
GTTCAGAAGTCAAGTAACTGGAAAAATAAACCTCCTTGGCCTGATAGAAATGATCTTACT
CAGTGTGGTGTGGTGTATGTTTGTCTTTTATGATTTTCATATTGTGCATGCAGATCGAA
ACAATAAAATAAGTAAGTATGTACAAAAAATATTGCTTCAATAATATTAGCTTATATA
TTACTTGTTCCTTTATCAAAGAGAAGTTACATATTAGCCATATATATTTCTAGACA
TGCTAGCCACTGATCATTTTTAAATATAGGTAATAAACCTATAAATATTATCACGCAG
ATCACTAAAGTATATCTTAATTCTGGGAGAAATGAGATAAAAGATGTACTTGTGACCAT
TGTAACAATAGCACAAATAAAGCACTTGTGCCAAAGTTGTCAAAAAAAAAAAAAAAAAA
AAAAAA
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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_000072 unedited  GGCAAAGTGTACACGACATCCATCTAGGGCGGCCGCGACTCTCGGCACGAGGGGACTTTT  CCTGCAGAATACCATTTGATCCTATTAAGAATTGTCCAAATGGTTGGAGCATTGATTGA  AAAATCCTTCTTAGCCATTTTAAAGATAGCTTTCCAATGATTAGACGAATTGATTCTTTC  TGTGACTCATCAGTTCCTTTCTGTAAAATTCATGTCTTGCTGTTGATTTGTGAATAAGA  ACCAGAGCTTGTAGAAACCACTTAAATCATATCCAGGAGTTTGCAAGAAACAGGTGCTTA  ACACTAATTCACCTCTGAACAAGAAAAATGGGCTGTGACCGGAACTGTGGGCTCATCGC  TGGGGCTGTATTGGTGCTGCTGCTGGCTGTGTTTGGAGGTATTCTAATGCCAGTTGGAGA  CCTGCTTATCCAGAAGACAATTA AAAAGCAAGTTGCTCCTCGAAGAAGGTACAATTGCTTT  TAAAAATGGGTTAAAACAGGCACAGAAGTTTACAGACAGTTTTGGATCTTTGATGTGCA  AAATCCACAGGAAGTGATGATGAACAGCAGCAACATTCAAGTTAAGCAAAGAGGTCTTA  TACGTACAGAGTTCGTTTTCTAGCCAAGGAAAATGTAACCCAGGACGCTGAGGACAACA  CAGTCTCTTCTGCAGCCCAATGGTGCCATCTCGAACCTTCACTATCAGTTGGAACAG  AGGCTGACAACTTACAGTTCTCAATCTGGCTGTGGCAGCTGCATCCCATATCTATCAA  ATCAATTTGTTCAAATGATCCTCAATTCATTATTAACAAGTCAAATCTTCTATGTTTC  CAAGTCAGAACTTTGAGAGAACTGTTATGGGGCTATAGGGATCCATTTTTGAGTTTGGTT  TCCGTACCCTGTTACTACCACAGTTGGGCTGTTTTTTATTCT</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_000072 unedited  TGGCGAAGCACCTTCAGGGCCGGAAGCACTGGGGAGGGGTCACAGGGATGCCACCCGGGA  TCTGTTACAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTT  TTTTTTTTTGGACAACCTTTGGCACAAGTGCTTTATTTGTGCTATTGTTACAATGGTCACA  AGTACATCTTTTATCTCATTTCTCCAGAAATTAAGATATACTTTAGTGATCTGCGTGAT  AATATTTATAGGTTTATTTACCTATATTTAAAAATGATCAGTGGCTAGACATGTCTAGAA  ATATATATGGCCTAATATGTAACCTCTCTTTGATAAAGTGAAAACAAGTAATATATAAGC  TAATATTATTGAAGCAATATTTTTTGGTACATACTTACTTATTTTATTGTTTTCGATCTG  CATGCACAATATGAAATCATAAAAGCAACAACATCACCACACCAACACTGAGTAAGATC  ATTTCTATCAGGCCAAGGAGGTTATTTTTCCAGTTACTTGACTTCTGAACATGTTTGCC  TTCAGATTCTTTAATACTTGAATTTTTTTCTGATGGCTTGACCAATAGGTTGACCTGCAGC  CGTTTTTGCAAATGTAAAGTGAATCCAGTTATAGGTTCAATATCCAAGTATGTCCTATGT  TCTTCTCATTTGGGTTTAAATCCATCAATAGGTTCTGAAACATCAGGACTTGCATACAGA  AATGAGGAAGTGAATGTACACAGGCTCCCTTCTTGCATTTGCTGATGTCTAGCACAC  CATATGATGTACATTTTTGAGAATAATTTTTTCTGTGCAGAAACAATAGTTGTCTGGTTT  TCCACCTGA</p>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_000072
<b>Insert Size:</b>	2000 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_000072.2</a> , <a href="#">NP_000063.2</a>
<b>RefSeq Size:</b>	1983 bp
<b>RefSeq ORF:</b>	1419 bp
<b>Locus ID:</b>	948
<b>UniProt ID:</b>	<a href="#">P16671</a>
<b>Cytogenetics:</b>	7q21.11
<b>Domains:</b>	CD36
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Adipocytokine signaling pathway, ECM-receptor interaction, Hematopoietic cell lineage, PPAR signaling pathway
<b>Gene Summary:</b>	<p>The protein encoded by this gene is the fourth major glycoprotein of the platelet surface and serves as a receptor for thrombospondin in platelets and various cell lines. Since thrombospondins are widely distributed proteins involved in a variety of adhesive processes, this protein may have important functions as a cell adhesion molecule. It binds to collagen, thrombospondin, anionic phospholipids and oxidized LDL. It directly mediates cytoadherence of Plasmodium falciparum parasitized erythrocytes and it binds long chain fatty acids and may function in the transport and/or as a regulator of fatty acid transport. Mutations in this gene cause platelet glycoprotein deficiency. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Feb 2014]</p> <p>Transcript Variant: This variant (3) encodes the longest isoform (1). Variants 1 through 5 all encode the same isoform 1.</p>