

## Product datasheet for **SC323088**

### CD36 (NM\_001127444) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD36 (NM_001127444) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD36
Synonyms:	BDPLT10; CHDS7; FAT; GP3B; GP4; GPIV; PASIV; SCARB3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001127444, the custom clone sequence may differ by one or more nucleotides ATGGGCTGTGACCGAACTGTGGGCTCATCGCTGGGGCTGTCATTGGTGCTGTCCTGGCT GTGTTTGGAGGTATTCTAATGCCAGTTGGAGACCTGCTTATCCAGAAGACAATAAAAAG CAAGTTGCTCCTCGAAGAAGGTACAATTGCTTTTAAAAATTGGGTTAAAACAGGCACAGAA GTTTACAGACAGTTTGGATCTTTGATGTGCAAAATCCACAGGAAGTGATGATGAACAGC AGCAACATTCAAGTTAAGCAAAGAGGTCCTTATACGTACAGAGTTCGTTTTCTAGCCAAG GAAAATGTAACCCAGGACGCTGAGGACAACACAGTCTCTTTCCTGCAGCCCAATGGTGCC ATCTTCGAACCTTCACTATCAGTTGGAACAGAGGCTGACAACTTCACAGTTCTCAATCTG GCTGTGGCAGCTGCATCCATATCTATCAAAATCAATTTGTTCAAATGATCCTCAATTCA CTTATTAACAAGTCAAAATCTTCTATGTTCCAAGTCAGAACTTTGAGAGAAGTGTATGG GGCTATAGGGATCCATTTTTGAGTTTGGTTCCTGTTACTACCACAGTTGGTCTG TTTTATCCTTACAACAATACTGCAGATGGAGTTTATAAAGTTTTCAATGGAAAAGATAAC ATAAGTAAAGTTGCCATAATCGACACATATAAAGGTAAGGAATCTGTCCTATTGGGAA AGTCACTGCGACATGATTAATGGTACAGATGCAGCCTCATTCCACCTTTTGGTGGAGAA AGCCAGGTATTGCAGTTCTTTCTTCTGATATTTGCAGGTCATCTATGCTGTATTTGAA TCCGACGTTAATCTGAAAGGAATCCCTGTGTATAGATTTGTTCTCCATCCAAGGCCTTT GCCTCTCCAGTTGAAAACCCAGACAATAATTGTTCTGCACAGAAAAAATTATCTCAAAA AATTGTACATCATATGGTGTGCTAGACATCAGCAATGCAAGAAGGGAGACCTGTGTAC ATTTCACTTCTCATTCTGTATGCAAGTCTGATGTTTCAGAACCTATTGATGGATTA AACCCAAATGAAGAAGAACATAGGACATACTTGGATATTGAACCTATAACTGGATCACT TTACAATTTGCAAAACGGCTGCAGGTCAACCTATTGGTCAAGCCATCAGAAAAAATTCAA GTATTAAGAATCTGAAGAGGAATATATTGTCCTATTCTTTGGCTTAATGAGACTGGG ACCATTGGTGATGAGAAGGCAACATGTTCAGAAGTCAAGTAACTGGAAAAATAAACCTC CTTGGCCTGATAGAAATGATCTTACTCAGTGTGGTGTGGTGTGTTTGTGCTTTTATG ATTCATATTGTGCATGCAGATCGAAAACAATAAAA
Restriction Sites:	Please inquire
ACCN:	NM_001127444



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<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>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_001127444.1</a></u> , <u><a href="#">NP_001120916.1</a></u>
<b>RefSeq Size:</b>	1989 bp
<b>RefSeq ORF:</b>	1419 bp
<b>Locus ID:</b>	948
<b>UniProt ID:</b>	<u><a href="#">P16671</a></u>
<b>Cytogenetics:</b>	7q21.11
<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 (5) differs in the 5' UTR, compared to variant 3. Variants 1 through 5 all encode the same isoform 1.</p>