

Product datasheet for **SC308167**

CD163 (NM_203416) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD163 (NM_203416) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD163
Synonyms:	M130; MM130; SCARI1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_203416, the custom clone sequence may differ by one or more nucleotides

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ATGAGCAAACCTCAGAATGGTGCTACTTGAAGACTCTGGATCTGCTGACTTCAGAAGACAT
TTTGTCAACTTGAGTCCCTTACCATTACTGTGGTCTTACTTCTCAGTGCCTGTTTTGTC
ACCAGTTCTCTTGGAGGAACAGACAAGGAGCTGAGGCTAGTGGATGGTAAAAACAAGTGT
AGCGGGAGAGTGGAAAGTAAAAGTCCAGGAGGAGTGGGGAACGGTGTGTAATAATGGCTGG
AGCATGGAAGCGGTCTCTGTGATTTGTAACCAGCTGGGATGTCCAACCTGCTATCAAAGCC
CCTGGATGGGCTAATCCAGTGCAGGTTCTGGACGCATTTGGATGGATCATGTTTCTTGT
CGTGGGAATGAGTCAAGCTCTTTGGGATTGCAAACATGATGGATGGGAAAGCATAGTAAC
TGTAACCAACAAGATGCTGGAGTGACTGCTCAGATGGATCCAATTTGAAAATGAGG
CTGACCGCTGGAGGGAATATGTGTTCTGGAAGAATAGAGATCAAATTTCAAGGACGGTGG
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GAATGTGGAAGTGTGTGATGATAAATTCAACATAGATCATGCATCTGTCAATTTGTAGACAACTT
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CAAGGATGGGAAAGCATAAAGTGTGATCATGCTGAGGATGCTGGAGTGAATTTGCTCAAAG
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GCTGTGGCATGCAAGCAACTGGGATGTCCAACCTGCCGTCACAGCCATTGGTCGAGTTAAC
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TGTGGCACAGTTGTCTATCCTGGGGGAGCTCACTTTGGAGAGGGAATGGACAGATC
TGGGCTGAAGAATTCCAGTGTGAGGGACATGAGTCCCATCTTCACTCTGCCAGTAGCA
CCCCGCCAGAAGGAAGTGTAGCCACAGCAGGGATGTTGGAGTAGTCTGCTCAAGATAC

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ACAGAAATTCGCTTGGTGAATGGCAAGACCCCGTGTGAGGGCAGAGTGGAGCTCAAACG
CTTGGTGCCTGGGGATCCCTCTGTAACCTCACTGGGACATAGAAGATGCCCATGTTCTT
TGCCAGCAGCTTAAATGTGGAGTTGCCCTTTCTACCCAGGAGGAGCACGTTTTGGAAAA
GGAAATGGTCAGATCTGGAGGCATATGTTTCACTGCACTGGGACTGAGCAGCACATGGGA
GATTGTCTGTAACCTGCTCTAGGTGCTTATTATGTCCTCAGAGCAAGTGGCCTCTGTA
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ACGCTGTGGCAGTGCCCATCATCTCCATGGGAGAAGAGACTGGCCAGCCCTCGGAGGAG
ACCTGGATCACATGTGACAACAAGATAAGACTTCAGGAAGGACCCACTTCTGTTCTGGA
CGTGTGGAGATCTGGCATGGAGTTCTGGGGGACAGTGTGTGATGACTCTTGGGACTTG
GACGATGCTCAGTGGTGTGTCAACAATTGGCTGTGGTCCAGCTTTGAAAGCATTCAA
GAAGCAGAGTTTGGTCAGGGGACTGGACCGATATGGCTCAATGAAGTGAAGTGCAAAGGG
AATGAGTCTTCTTGTGGGATTGCTCCTGCCAGACGCTGGGGCCATAGTGAGTGTGGGCAC
AAGGAAGACGCTGCAGTGAATTGCACAGATATTCAGTGCAGAAAACCCACAAAAGCC
ACAACAGGTCGCTCATCCCGTCAGTCATCCTTTATTGCACTCGGGATCCTTGGGGTTGTT
CTGTTGGCCATTTTCGTGCGATTATTCTTCTTACTAAAAGCGAAGACAGAGACAGCGG
CTTGCAAGTTCCTCAAGAGGAGAGAAGTCCACCAAATTCATACCGGGAGATGAAT
TCTTGCCTGAATGCAGATGATCTGGACCTAATGAATTCCTCAGGAGGCCATTCTGAGCCA
CACTGA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_203416
- 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:** 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.
- 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:**
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_203416.1, NP_981961.1</u>
RefSeq Size:	3728 bp
RefSeq ORF:	3366 bp
Locus ID:	9332
UniProt ID:	<u>Q86VB7</u>
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Gene Summary:	<p>The protein encoded by this gene is a member of the scavenger receptor cysteine-rich (SRCR) superfamily, and is exclusively expressed in monocytes and macrophages. It functions as an acute phase-regulated receptor involved in the clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages, and may thereby protect tissues from free hemoglobin-mediated oxidative damage. This protein may also function as an innate immune sensor for bacteria and inducer of local inflammation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (2), also known as short tail variant, uses an alternate splice site in the 3' coding region compared to variant 1. This results in a novel 3' coding region and 3' UTR, compared to variant 1. It encodes isoform b which is shorter, and has a distinct C-terminus, compared to isoform a.</p>