

Product datasheet for SC117495

CD163 (NM_004244) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD163 (NM_004244) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD163
Synonyms:	M130; MM130; SCARI1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004244 edited
AACATTTCTAGGGAATAATACAAGAAGATTTAGGAATCATTGAAGTTATAAATCTTTGGA
ATGAGCAAACCTCAGAATGGTCTACTTGAAGACTCTGGATCTGCTGACTTCAGAAGACAT
TTTGTCAACTTGAGTCCCTTACCATTACTGTGGTCTTACTTCTCAGTGCCTGTTTTGT
ACCAGTCTCTTGGAGGAACAGACAAGGAGCTGAGGCTAGTGGATGGTAAAAACAAGTGT
AGCGGGAGAGTGGAAAGTAAAGTCCAGGAGGAGTGGGAACGGTGTGTAATAATGGCTGG
AGCATGGAAGCGGTCTCTGTGATTTGTAACCAGCTGGGATGTCCAACCTGCTATCAAAGCC
CCTGGATGGGCTAATCCAGTGCAGGTTCTGGACGCATTTGGATGGATCATGTTTCTTGT
CGTGGGAATGAGTCAGCTCTTTGGGATTGCAAACATGATGGATGGGAAAGCATAGTAAC
TGTACTACCAACAAGATGCTGGAGTGACCTGCTCAGATGGATCCAATTTGGAAATGAGG
CTGACCGTGGAGGGAATATGTGTTCTGGAAGAATAGAGATCAAATTTCCAAGGACGGTGG
GGAACAGTGTGTGATGATAACTTCAACATAGATCATGCATCTGTCAATTTGTAGACAACCT
GAATGTGGAAGTCTGTGAGTTTCTCTGGTTCATCTAATTTTGGAGAAGGCTCTGGACCA
ATCTGGTTTATGATCTTATATGCAACGGAAATGAGTCAGCTCTCTGGAAGTCAAACAT
CAAGGATGGGAAAGCATAACTGTGATCATGCTGAGGATGCTGGAGTGAATTTGCTCAAAG
GGAGCAGATCTGAGCCTGAGACTGGTAGATGGAGTCACTGAATGTTTCAGGAAGATTAGAA
GTGAGATTTCAAGGAGAATGGGGACAATATGTGATGACGGCTGGGACAGTTACGATGCT
GCTGTGGCATGCAAGCAACTGGGATGTCCAACCTGCCGTCACAGCCATTGGTCGAGTTAAC
GCCAGTAAGGGATTTGGACACATCTGGCTTGACAGCGTTTCTTGGCAGGGACATGAACCT
GCTATCTGGCAATGTAAACACCATGAATGGGAAAGCATTATTGCAATCACAATGAAGAT
GCTGGCGTGACATGTTCTGATGGATCAGATCTGGAGCTAAGACTTAGAGGTGGAGGCAGC
CGCTGTGCTGGGACAGTTGAGGTGGAGATTCAGAGACTGTTAGGGAAGGTGTGTGACAGA
GGCTGGGACTGAAAGAAGCTGATGTGGTTTGCAGGCAGCTGGGATGTGGATCTGCACTC
AAAACATCTTATCAAGTGTACTCCAAAATCCAGGCAACAAACACATGGCTGTTTCTAAGT
AGCTGTAACGGAAATGAACTTCTCTTTGGGACTGCAAGAAGTGGCAATGGGGTGGACTT
ACCTGTGATCACTATGAAGAAGCCAAAATACCTGCTCAGCCACAGGGAACCCAGACTG
GTTGGAGGGGACATTCCTGTTCTGGACGTGTTGAAGTGAAGCATGGTGACAGTGGGGC



[View online »](#)

```
TCCATCTGTGATTTCGGACTTCTCTCTGGAAGCTGCCAGCGTTCTATGCAGGGAATTACAG
TGTGGCACAGTTGTCTCTATCCTGGGGGAGCTCACTTTGGAGAGGGAATGGACAGATC
TGGGCTGAAGAATTCAGTGTGAGGGACATGAGTCCCATCTTTCCTCTGCCAGTAGCA
CCCCGCCAGAAGGAACCTGTAGCCACAGCAGGGATGTTGGAGTAGTCTGCTCAAGATAC
ACAGAAATTCGCTTGGTGAATGGCAAGACCCCGTGTGAGGGCAGAGTGGAGCTCAAAACG
CTTGGTGCCTGGGGATCCCTCTGTAACCTCACTGGGACATAGAAGATGCCCATGTTCTT
TGCCAGCAGCTTAAATGTGGAGTTACAGAGGGATCCCCAGGAGGAGCACGTTTTGGAAAA
GGAAATGGTCAGATCTGGAGGCATATGTTTCACTGCACTGGGACTGAGCAGCACATGGGA
GATTGTCCTGTAACCTGCTCTAGGTGCTTATTATGTCCTTCAGAGCAAGTGGCCTCTGTA
ATCTGCTCAGGAAACCAGTCCAAAACACTGTCCTCGTGAATTCATCGTCTTTGGGCCCA
ACAAGGCCTACCATCCAGAAGAAAGTGTGTGGCCTGCATAGAGAGTGGTCAACTTCGC
CTGGTAAATGGAGGAGTCTGCTGTGCTGGGAGAGTAGAGATCTATCATGAGGGCTCTGG
GGCACCATCTGTGATGACAGCTGGGACCTGAGTGTGCCACGTGGTTTGCAGACAGCTG
GGCTGTGGAGAGGCCATTAAATGCCACTGGTTCTGCTCATTTTGGGGAAGGAACAGGGCCC
ATCTGGCTGGATGAGATGAAATGCAATGGAAAAGAAATCCCGCATTTGGCAGTGCCATTCA
CACGGCTGGGGGAGCAAAATTGCAGGCACAAGGAGGATGCGGGAGTTATCTGCTCAGAA
TTCATGTCTCTGAGACTGACCAGTGAAGCCAGCAGAGAGGCCCTGTGCAGGGCGTCTGGAA
GTTTTTACAATGGAGCTTGGGGCACTGTTGGCAAGAGTAGCATGTCTGAAACCACTGTG
GGTGTGGTGTGCAGGCAGCTGGGCTGTGCAGACAAAGGAAAAACAACCTGCATCTTTA
GACAAGGCCATGTCCATCCCATGTGGGTGGACAATGTTCAAGTGTCCAAAAGGACCTGAC
ACGCTGTGGCAGTGCCCATCATCTCCATGGGAGAAGAGACTGGCCAGCCCCTCGGAGGAG
ACCTGGATCACATGTGACAACAAGATAAGACTTCAGGAAGGACCCACTTCTGTTCTGGA
CGTGTGGAGACTTGGCATGGAGTTCTCTGGGGGACAGTGTGTGACTCTTGGGACTTG
GACGATGCTCAGTGGTGTGTCAACAACCTGGCTGTGGTCCAGCTTTGAAAGCATTCAAA
GAAGCAGAGTTTGGTCAGGGGACTGGACCGATATGGCTCAATGAAGTGAAGTGAAGAGGG
AATGAGTCTTCTGTGGGATTGTCTGCCAGACGCTGGGGCCATAGTGAAGTGTGGGCAC
AAGGAAGACGCTGCAGTGAATTGCACAGATATTTCAAGTGCAGAAAACCCCAAAAAGCC
ACAACAGGTGCTCATCCCGTCACTCATCTTTATTGCAAGTGGGATCCTTGGGGTTGTT
CTGTTGGCCATTTCTGTCGATTTCTTCTTACTAAAAAGCGAAGACAGAGACAGCGG
CTTGCAAGTTTCTCAAGAGGAGAGAACTTAGTCCACCAAAATCAATACCGGGAGATGAAT
TCTTGCCTGAATGCAGATGATCTGGACCTAATGAATCCTCAGGAGGCCATTCTGAGCCA
CACTGAAAAGGAAAATGGGAATTTATAACCCAGTGAAGTTCAGCCTTTAAGATACCTTGAT
GAAGACCTGGACTATTGAATGGAGCAGAAATTCACCTCTCTCACTGACTATTACAGTTGC
ATTTTTATGGAGTTCTTCTCTCTAGGATTCTAAGACTGCTGCTGAATTTATAAAAAAT
TAAGTTTGTGAATGTGACTACTTAGTGGTGTATATGAGACTTTCAAGGGAATTAATAAA
TAAATAAGAAATGTT
```

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_004244 unedited
TAGGGCGGCAAAACCCATTTCGGCAGGAGAACATTTCTAGGGAATAATACAAGAAGATTTA
GGAATCATTGAAGTTATAAATCTTTGGAATGAGCAAACTCAGAATGGTGTACTTGAAGA
CTCTGGATCTGCTGACTTCAGAAGACATTTTGTCAACTGAGTCCCTTACCATTACTGT
GGTCTTACTTTTTATTGCCTGTTTTGTCACCAAGTCTCTTGGAGGAACAGACAAGGAGCT
GAGGCTAGTGGATGGTGAACAAGTGTAGCGGGAGAGTGAAGTGAAGTCCAGGAGGA
GTGGGGAACGGTGTGTAATAATGGCTGGAGCATGGAAGCGGTCTCTGTGATTTGTAACCA
GCTGGGATGTCCAACCTGCTATCAAAGCCCCTGGATGGGCTAATTCAGTGCAGGTTCTGG
ACGCATTTGGATGGATCATGTTTTCTTGTGCTGGGAATGAGTCAAGTCTTTGGGATTGCAA
ACATGATGGATGGGAAAAGCATAGTAACTGTAAGTCACTCAACAACAAGATGCTGGAGTGACCTG
CTCAGATGGATCCAATTTGGAAATGAGGCTGACCGTGGAGGGAATATGTGTTCTGGAAG
AATAGAGATCAAATTCGAAGGACGGTGGGGAACAGTGTGTGATGATAACTTCAACATAGA
TCATGCATCTGTCAATTTGTAGACAACCTTGAATGTGGAAGTGTGTGATTTCTCTGGTTC
ATCTAATTTTGGAGAAGGCTCTGGACCAATCTGGTTTGTGATCTTATATGCAACGGAAA
TGAGTCAGCTCTCTGGAAGTCAAAACATCAAGGATGGGGAAGCATAACTGTGATCATGC
TNGAGATGCTGNAGTGATTTGCTCAAGGGAGCAGATCTGAGCCTGAGACTGG
```

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004244 unedited
 GCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTAAACATTCTATTTATTTATTTAA
 TTCCCTTGAAAGTCTCATATACACCACTAAGTAGTCACATTACAAAACCTAATTTTTATA
 AATTCAGCAGCAGTCTTAGGAATCCTAGGAGAAGAAGAACTCCATAAAAAATGCAACTGTA
 ATAGTCAGTGAGAGAGGTGAATTTCTGCTCCATTCAATAGTCCAGGTCTTCATCAAGGCA
 TCTTAAAGGCTGAACTCACTGGGTATAAATTCCCATTTTGCTTTTCGAGTGTGGCTCACA
 ATGGCCTTCTGAGGACTCCCTTATGCCCCCATCATGTGCCGTTCCGCTGGACTCCTTTTT
 CCGGCCTTGATCTCCTGGTTTCCCTTCTCGCTCCGTCGCACCCCCCCCCGATTACT
 GTACCCCCCGCCCTTCACTTCTACACCTTGCTCATCTCCGGTTTTCTCCCTATCCAA
 CGCTTCTCTTCCCTTACCCCCCTTCTCTCCCTCTCTCTCTCTCTCTCTCTCTCTCTCT
 TCCCTTTTCCCTTTTTCTCTCCCTTTGCATTTTTCTTTCTCTCTCTCTCTCTCTCTCT
 GTTTTTTCCCTTGACTTCCCTTCCCTTTCTCTTTCCCCCTCGTCCGCCATTTTTTT
 TTCATCCCCTTCTTTCCCTCTTTTCTCTCTTTCCCCCGTCTCTCTCTCTCTCTCTCTCT
 CACCCCTTGTAGTTCTCGCCGCCCGCCCTTTTCTCTCTTCCCCACCCACCTCTC
 CCTTTCCGTTCTTTCCCTTTTGGCCCTTCCCTCCCCCTTCCGCTATTCTTCT
 CTCTCCCTCCCACCTTCT
 TCCGCACGCTCTTTACCGCCGCTCTTTGTCTTTTTCTCTCTCTCTCTCTCTCTCTCT
 TTCCCTTCTCTCTCTCTCTCTCTCTCTCTTTATGCCATCTTCGCTCGTATTCTTACTT
 TATT

Restriction Sites:

NotI-NotI

ACCN:

NM_004244

Insert Size:

4000 bp

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).

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: [NM_004244.3](#), [NP_004235.3](#)

RefSeq Size: 3806 bp

RefSeq ORF: 3471 bp

Locus ID: 9332

UniProt ID: [Q86VB7](#)

Cytogenetics: 12p13.31

Domains: SR

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Gene Summary: 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]

Transcript Variant: This variant (1), also known as long tail variant 1, represents the longer transcript and encodes the longer isoform (a).