

Product datasheet for **SC319619**

MARCO (NM_006770) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MARCO (NM_006770) Human Untagged Clone
Tag:	Tag Free
Symbol:	MARCO
Synonyms:	SCARA2; SR-A6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006770.3
 GGGGGCCAAAGGGAAGTCTGCGAGTTTACAACCAAGCTGCAGTGGTTCGATGGGAAGGA
 TCTTTCTCCAAGTGGTTCCTCTTGAGGGGAGCATTCTGCTGGCTCCAGGACTTTGGCCA
 TCTATAAAGCTTGGCAATGAGAAATAAGAAAATTTCAAGGAGGACGAGCTTTGAGTGA
 GACCCAACAAGCTGCTTTTACCAAATTGCAATGGAGCCTTTTCAAAATCAATGTTCCAAA
 GCCCAAGAGGAGAAATGGGGTGAACCTTCCCTAGCTGTGGTGGTTCATCTACCTGATCCT
 GCTCACCGCTGGCGCTGGGCTGCTGGTCCAAGTTCTGAATCTGCAGGCGCGGCTCCG
 GGTCCTGGAGATGTATTTCTCAATGACACTCTGGCGGCTGAGGACAGCCGTCCTTCTC
 CTTGCTGCAGTCAGCACACCCTGGAGAACCTGGCTCAGGGTGCATCGAGGCTGCAAGT
 CCTGCAGGCCAACTCACCTGGGTCCGCGTCAGCCATGAGCACTTCTGCAGCGGGTAGA
 CAACTTCACTCAGAACCCAGGGATGTTTCAAGTCAAAGGTGAACAAGGCGCCCAAGTCT
 TCAAGGCCACAAGGGGGCATGGGCATGCCTGGTGGCCCTGGCCCGCGGGACCACCTGC
 TGAGAAGGGAGCAAGGGGGCTATGGGACGAGATGGAGCAACAGGCCCTCGGGACCCCA
 AGGCCACCGGGAGTCAAGGGAGAGCGGGCTCAAGGACCCAGGGTGTCCAGGGAA
 GCAAGGAGCCACTGGCACCCAGGACCCCAAGGAGAGAAGGGCAGCAAAGGCGATGGGGG
 TCTCATTGGCCAAAAGGGGAACTGAACTAAGGGAGAGAAAGGAGACCTGGGTCTCC
 AGGAAGCAAAGGGGACAGGGGCATGAAAGGAGATGCAGGGGTCTATGGGGCTCCTGGAGC
 CCAGGGGAGTAAAGGTGACTTCCGGAGGCCAGGCCACCAGGTTTGGTGGTTTTCTGG
 AGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTTCGGGGCCCTCCTGGTGCAGT
 GGGACACCCAGGTGCCAAGGGTGAAGCTGGCAGTGTGGTCCCTGGGGCAGCAGGACT
 TCCAGGGAGCCCCGGGAGTCCAGGAGCCACAGGCCGAAAGGAAGCAAAGGGGACACAGG
 ACTTCAAGGACAGCAAGGAAGAAAAGGAGAATCAGGAGTTCAGGCCCTGCAGGTGTGAA
 GGGAGAACAGGGGAGCCAGGGCTGGCAGTCCCAAGGGAGCCCTGGACAAGCTGGCCA
 GAAGGGAGACCAGGGAGTAAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAGAAAAAAGG
 TGAAGAGGTGAAAACCTAGTGTCCGTCAGGATTGTCCGAGTAGTAACCGAGGCCGGGC
 TGAAGTTTACTACAGTGGTACCTGGGGACAATTTGCGATGACGAGTGGCAAAATTTCTGA
 TGCCATTGTCTTCTGCCGATGTGGGTTACTCCAAAGGAAGGGCCCTGTACAAAGTGGG
 AGCTGGCACTGGGCAGATCTGGCTGGATAATGTTCAAGTGTCCGGGCACGGAGAGTACCCT
 GTGGAGCTGCACCAAGAATAGCTGGGGCCATCATGACTGCAGCCACGAGGAGGACGCAGG
 CGTGGAGTGCAGCGTCTGACCCGAAACCTTTCACTTCTGCTCCCGAGGTGCTCTCG
 GGCTCATATGTGGGAAGGCAGAGGATCTCTGAGGAGTTCCTGGGGACAACCTGAGCAGCC
 TCTGGAGAGGGGCCATTAATAAAGCTCAACATCAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAA

Restriction Sites: Please inquire

ACCN: NM_006770

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:	<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_006770.3 , NP_006761.1
RefSeq Size:	1853 bp
RefSeq ORF:	1563 bp
Locus ID:	8685
UniProt ID:	Q9UEW3
Cytogenetics:	2q14.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The protein encoded by this gene is a member of the class A scavenger receptor family and is part of the innate antimicrobial immune system. The protein may bind both Gram-negative and Gram-positive bacteria via an extracellular, C-terminal, scavenger receptor cysteine-rich (SRCR) domain. In addition to short cytoplasmic and transmembrane domains, there is an extracellular spacer domain and a long, extracellular collagenous domain. The protein may form a trimeric molecule by the association of the collagenous domains of three identical polypeptide chains. [provided by RefSeq, Jul 2008]