

Product datasheet for SC110448

SCARA3 (NM_016240) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCARA3 (NM_016240) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCARA3
Synonyms:	APC7; CSR; CSR1; MSLR1; MSRL1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_016240 edited
 GAATTCGGCACGAGGAGACCATGAAAGTGAGGTCGGCCGGCGATGGAGATGCCTTGT
 GCGTTACAGAAGAGGACCTGGCGGGTGACGACGAGGACATGCCGACCTTCCCATGCACCC
 AGAAGGGCCGGCCAGGGCCCGCTGCAGCCGCTGCCAGAAGAACCCTATCTTTGCACACAT
 CGGTGCGGATTCTTTACCTCTTCTGGCCCTGCTCCTGGTGGCCGTGGCTGTGTTGGCCT
 CTCTGGTTTTTCAGAAAAGTGGAATCTCTCCGAAGACATCTCCTTGACCCAGTCTATTT
 ATGACAAGAAGCTTGTGTTAATGCAGAAAAATCTCCAGGGCCTGGATCCGAAAAGCCTGA
 ACAACTGCTCTTTCTGCCATGAAGCTGGGCAGCTGGGGCCAGAGATCCGAAAAGTGCAGG
 AGGAGCTGGAGGGAATTCAGAAGCTGCTTCTGGCCAGGAGGTGCAGCTGGACCAGACCT
 TACAGGCCAGGAGGTGCTCTCCACCACCAGCAGACAAAATCTCCAGGAGATGGGCAGTT
 GCTCCTTCTCCATCCACCAGTTAACCAGTCTCTGGGGCTCTTCTGGCCAGGTGAGAG
 GCTGGCAGGCCACCACAGCTGGCCTGGACCTCTCTCTGAAGGACCTCACCCAGGAGTGT
 ACGATGTCAAGGCTGCAGTGCACCAGATCAACTTCACCGTGGGGCAGACTTCCGAGTGGA
 TCCACGGGATCCAGCGGAAGACAGACGAGGAGACCCTGACCCTCCAGAAGATTGTCACCG
 ACTGGCAGAACTACACACGGCTCTTCAGCGGCCTGCGCACCACTCCACCAAGACTGGAG
 AGGCGGTCAAGAACATCCAGGCCACCCTGGGGCCTCCTCACAGCGCATCAGCCAGAAGT
 CAGAGAGCATGCACGACCTGGTACTCCAGGTGATGGGCTTGCAGCTGCAGCTGGATAACA
 TCTCGTCTTCTGGATGACCACGAAGAGAATGCATGATCTTCAGTACCATAACCCACT
 ACGCCAGAACCCGACTGTGGAGAGGTTGAGTCTTGGAGACGCATGGCTTCTCAGCAG
 AGATTGAAATTGGCACCATCTTCAACCAATCAATGCCACCGACAACCAGTGCACAGCA
 TGCTCAAGTACCTGGATGACGTGCGGCTCTCCTGCACGCTGGGCTTCCACACCCATGCCG
 AGGAGCTTACTACTGAACAAGTCTGTCTCCATCATGCTGGGCACCACAGACCTGCTCC
 GGGAGCGCTTCAGCCTGCTCAGTGCCCGGCTGGACCTCAACGTCGGAACCTCTCCATGA
 TCGTGGAGGAGATGAAGGCAGTGGACACACAGCATGGAGAAATCCTTCGCAATGTCACCA
 TCCTACGAGGTGCCCGGCCCTCCAGGACCAAGAGGATCAAAGGAGATATGGGCGTGA
 AAGGGCCTGTTGGCGGCAGAGGCCCGAAAGGAGACCCCGGCAGCTTGGGCCCCCTGGGAC
 CCCAGGGTCTCAGGGGCAACCTGGAGAGGCCGGCCTGTGGAGAAAAGGGGCCCTGTTG



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GCCCTCGAGGGTTCCCAGGCCTCAAAGGCTCAAAGGGCAGCTTTGGAAGTGGAGGGCCGA
 GAGGACAGCCAGGCCAAAAGGGGACATAGGGCCCCAGGGCCAGAAGGGCCCCGGGT
 CTCCAGGGCCCTCAGGGCCTCAGGGAAAACCGGAATTGCAGGGAAGACAGGGTACCAG
 GCCAGCGGGGGCCATGGGGCCTAAGGGTGAACCAGGGATCCAGGGTCCCCTGGTCTCC
 CGGGCCCTCCAGTCCACCAGGAAGCCAGAGCTTCTACTGAGGAGGGCTGTGGCAGAGCC
 ACTGTACACAGAATGCCGGAGGGGCGCAGAGCAGATCCAGGCCCCAGAAAGCCTCACCT
 ACAGACAGCTGTGGTCTCTGATTCCAATGAGGGGGCTCCCAGGGCTGACCTCGAGCT
 TTGGGCTCCCCATAGTACTGTGCCATAGGAAAAGCAGCCCTCCTCACACATACATGTG
 CACATGCACACACATGCATGCACACACATGCACACATACACGCACATGCACACATACACA
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 GGTGGGCCAACTGGGTTCCCTGGCTGGCAGGAGGAGGGCAGAGGAAGACCCCTCT
 CCTGTGACTGAGCTGCCAGGGAGGCAGCTACCTCGGGAGGAAGGTCTCACATCTGTCTC
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 AACCTTTGCGGGTGGGGGTTACTGCCAAAACCTCAGAGGCAAAGTGGACCTGGCAACCA
 CAAGACCTCCCCATAAGCAGGGGACCAGCATACCCGGGAGCTGTCCCTGTGTGCACAG
 CACAGTGGGGCCACGAGGCTGACATTCTCTGGCCTTGACACAGTGCACCCCTGAGAAGTT
 CAACATTTATTTCTTACAGTGTCCAGAAAATTCCTCAATTCATCCTTGCTCTGCCCTTC
 AGGAGCAGCCTGGAAGGAATCCAAGCAGGAGTTTTCATCTGCATGGGGGCACTCTGCAGGC
 CCTGGAACATTGGGCCTGAGTGGAGATGGGAGACAGAGGCAGGCCAGAAGTTCTCTCTG
 CACAGCTGCCTCCCTTGTCTCCCTGAGGCTGGCCTGCCCATTCCTCCAAAGGGGGCTCCT
 CTGGAGTGGTGGGAGGATTAGGCTGCAGAAGGGCCAACCCCTTGCAACAGGGCAGCTCT
 CGCCTCCCGCACAGGCTCTCCTGATCACAGCTGCATGCCGACCTTGTCACCCGGGACC
 CACAATGGCCCGAGCCCTCTTGCATGGGCAGCCAGCTGGACTAGGAGTGGGAAGGGCCT
 GGACACTCACAGAGGCCCTCTGTCTACTCCTTGGCACCCACCAACTTCTGCACAC
 ACTGGCAGAGAGGGGGCTGGGAAATCACCCACAGGGTGGAGGTCTCCTGTTGGCTACA
 CTCTAAAGCTGCTTTCCTTTCATGTTCAAACAGATTAGGCACCCACCCCTCCACCGCC
 GCAAGGTTAGGGCATAGAGTTGTCTCCTTCCCAACACGGACCCAGAGAGCAGCCCTCC
 TGCTCAAAGCCTTCCGACCCCTCTGACTGTCCTGGATGTGCAACTGGTTTGCAGTGA
 CACCCACGGCCATGAACTCTCCTGTCCACATATGATAATACCATTCTGCATAGTATTA
 CTGACTCAGTAAAGAGCTATTTCCAGGAAAAAAAAAAAAAAAAAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_016240 unedited
 AAATAATAACCCCGCCCGTTGACGCAATGGGCGGTAGGCGTGTACGGTGGGCAGGTCTA
 TATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGC
 GGCCGCGAATTCGGCACGAGGAGACCATGAAAGTGAAGTGGCCGGCGGGATGGAGATG
 CCTTGTGCGTTACAGAAGAGGACCTGGCGGGTACGACGAGGACATGCCGACCTTCCCAT
 GCACCCAGAAGGGCCGGCCAGGGCCCCGCTGCAGCCGCTGCCAGAAGAACCTATCTTTGC
 ACACATCGGTGCGGATTCTTTACCTTCTCCTGGCCCTGCTCCTGGTGGCCGTGGCTGTGT
 TGGCCTCTCTGGTTTTAGAAAAGTGGACTCTCTCTCCGAAGACATCTCCTTGACCCAGT
 CTATTTATGACAAGAAGCTTGTGTTAATGCAGAAAAATCTCCAGGGCCTGGATCCGAAAG
 CCCTGAACAACTGCTCTTTTGCATGAAGCTGGGCAGCTGGGGCCAGAGATCCGAAAAC
 TGCAGGAGGAGCTGGAGGGAATTCAGAAGCTGCTTCTGGCCAGGAGGTGCAGCTGGACC
 AGACCTTACAGGCCCAGGAGGTGCTCTCACCACCAGCAGACAAAATCTCCAGGAGATGG
 GCAGTTGCTCCTTCTCCATCCACCAGGTTAACCAGTCTCTGGGGCTCTTCTGGCCAGG
 TGAGAGGCTGGCAGGCCACCACAGCTGGCCTGGACCTCTCTCTGAAGGACCTCACCCAGG
 AGTGTACGATGTGAGNCTGCAGTGCACCAGATCAACTTTACCGTGGGGCAGACTTCCG
 AGTGGACCACGGNATCTAGCGGAGACAGACGAGTAGACTCTGACCTCCAGCAGATTGCA
 CCGACTGCCAGACTCN

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_016240 unedited AAACTATGTACGTGGCCGCTCCTTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTC CTGGAATAGCTCTTACTGAGTCAGTAATACTATGCAGAATGGTATTATCATATGTGGA CAGGAGAGTTACATGGCCGTGGGGTGTGCAGTGCAAACCAAGTTGCACATCCAGGACAGTC AGGAGGGTGCAGAAAGGCTTTGAGCAGGGAAGGGCTGCTCTGGGTCCGTGTTGGGAAG GAGACAACCTATGCCCTAACCTTGCAGGCGGTGGAGGGGTGGTGCCTGAATCTGTTTG AACATGAAGGCAAAGCAGCTTTAGAGTGTAGCCAAACAGGAGACCTCCACCCTGTGGGGTG ATTTCCAGCGCCCTCTGCCAGTGTGTGCAGGAAGTTGGTGGTGCCAAGGAGTGAT GACAGAGGGGCTCTGTGAGTGTCCAGGCCCTCCCACTCTAGTCCAGCTGGCTGCC ATGCAAAGAGGGCTCGGGCCATTGTGGTCCCAGTGGGACAAGGTCGGCATGCAGCTGTG ATCAGGAGAGCCGTGTGCGGGAGGCGAGAGCTGCCCTGTTGCAAGGGTTGGCCCTCTG CAGCCTAATCCTCCCCCACTCCAGAGAGCCCTTGGGGAATGGGGCAGGCCAGCCTCA GGGAGAGCAAGGGAGGCAGCTGTGCANAGAGACCTTTGGCCTGCCTCTGTCTCCATCTN CACTCAAGCCCAATGGTCCAGGGCTGCAAAGTGCCCCATGCAAATGAACTCCTGCTG GGATTCCTTCAAGCTGCTCCTGAAGGGCAANAGCCAGGGATGAATTGAGGGAATTTTC TGGCACCGTGAAGAAATAAATGTTGAACTCTCAGGGGCCACTGGGTGCCAAGGCAAAA AAATGTG
Restriction Sites:	NotI-NotI
ACCN:	NM_016240
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:	<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:	<u>NM_016240.2</u> , <u>NP_057324.2</u>
RefSeq Size:	3631 bp
RefSeq ORF:	1821 bp
Locus ID:	51435
UniProt ID:	<u>Q6AZY7</u>
Cytogenetics:	8p21.1
Domains:	Collagen
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

This gene encodes a macrophage scavenger receptor-like protein. This protein has been shown to deplete reactive oxygen species, and thus play an important role in protecting cells from oxidative stress. The expression of this gene is induced by oxidative stress. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1), also known as CSR1, encodes the longer isoform (1).