

Product datasheet for **SC124686**

SCARA3 (NM_182826) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCARA3 (NM_182826) 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:	>NCBI ORF sequence for NM_182826, the custom clone sequence may differ by one or more nucleotides

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ATGAAAGTGAGGTCGGCCGGCGCGATGGAGATGCCTTGTGCGTTACAGAAGAGGACCTGGCGGGTGACG
ACGAGGACATGCCGACCTTCCCATGCACCCAGAAGGGCCGGCCAGGGCCCCGCTGCAGCCGCTGCCAGAA
GAACCTATCTTTGCACACATCGGTGCGGATTCTTTACCTCTTCTGGCCCTGCTCCTGGTGGCCGTGGCT
GTGTTGGCCTCTCTGGTTTTTCAGAAAAGTGACTCTCTCCGAAGACATCTCCTTGACCCAGTCTATTT
ATGACAAGAAGCTTGTGTTAATGCAGAAAAATCTCCAGGGCCTGGATCCGAAAGCCCTGAACAAGTCTC
TTTCTGCCATGAAGCTGGGCAGCTGGGGCCAGAGATCCGAAAACGCAGGAGGAGCTGGAGGGAATTCAG
AAGCTGCTTCTGGCCAGGAGTGCAGCTGGACCAGACCTTACAGGCCAGGAGTCTCTCCACCACCA
GCAGACAAATCTCCAGGAGATGGGCAGTTGCTCCTTCTCCATCCACCAGGTTAACCAGTCTCTGGGGCT
CTTCTGGCCAGGTGAGAGGCTGGCAGGCCACCACAGCTGGCCTGGACCTCTCTCTGAAGGACCTCACC
CAGGAGTGCTACGATGTCAAGGCTGCAGTGCACCAGATCAACTTCACCGTGGGGCAGACTTCCGAGTGGA
TCCACGGGATCCAGCGGAAGACAGACGAGGAGACCCTGACCTCCAGAAGATTGTACCAGACTGGCAGAA
CTACACACGGCTTTCAGCGCCTGCGCACCACTCCACCAAGACTGGAGAGGCGGTCAAGAACATCCAG
GCCACCTGGGGCCTCCTCACAGCGCATCAGCCAGAACTCAGAGAGCATGCACGACCTGGTACTCCAGG
TCATGGGCTTGCAGCTGCAGCTGGATAACATCTCGTCTTCTGGATGACCACGAAGAGAACATGCATGA
TCTTCAGTACCATACCCACTACGCCAGAACCGCACTGTGGAGAGGTTTGAGTCTCTGGAAGGACGCATG
GCTTCTCACGAGATTGAAATTGGCACCATCTTACCAACATCAATGCCACCGACAACCAGTGCACAGCA
TGCTCAAGTACCTGGATGACGTGCGGCTCTCCTGCACGCTGGGCTTCCACACCCATGCCGAGGAGTCTA
CTACCTGAACAAGTCTGTCTCCATCATGCTGGGCACCACAGACCTGCTCCGGGAGCGCTTCAAGCTGCTC
AGTGCCCCGGTGGACCTCAACGTCGGAACTCTCCATGATCGTGGAGGAGATGAAGGCAGTGGACACAC
AGCATGGAGAAATCCTTCGCAATGTCACCATCCTACGAGGTCACACTTTGTTTTTCACATAATCGGATATG
A
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_182826 unedited CCCC GCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGAATTCGGCACGAGGGCCCCACGGCCGCGGGCGGCCCTAGGACGGCGATCCGCGCCCTGGAGGATCCGCGGCCCGCCGGCTCCACTACAGCTCCAGCCGCTGCAGCGGGCCCTCCTGAGGCCCCAGAGGAAGACCATGAAAGTGAGGTCGGCCGCGCGCATGGAGATGCCTTGTGCGTTACAGAAGAGGACCTGGCGGGTGACGACGAGGACATGCCGACCTCCCATGCACCCAGAGGGCCGGCCAGGGCCCCGCTGCAGCCGCTGCCAGAAGAACCTATCTTTGCACACATCGGTGCGGATTCTTTACCTCTTCTGCCCCTGCTCCTGGTGGCCGTGGCTGTGTTGGCCTCTCTGGTTTTCAGAAAAGTGGACTCTCTCTCCGAAGACATCTCCTTGACCCAGTCTATTTATGACAAGAAGCTTGTGTTAATGCAGAAAAATCTCCAGGGCCCTGGATCCGAAAGCCCTGAACAAGTCTTTCTGCCATGAAGCTGGGCAGCTGGGGCCAGAGATCCGAANACTGCANGAGAGCTGGAGGGAANTCANAAGCTGCTTCTGGCCAGAGGTGCAGCTGGACCAGACCTACAGGCCCCAGAGGTGCTCNTCCANCAGCAGAAAAATCTCCAGAGAGGGCAGTTGCTCCTTCATCCACAGNTNACCAGNCTCTGGGGCTTTCTGCNCCAGGTGAGAGGCTGGGCAGGCCACAGCTGGCTGGACCTCTTTTGAGACCTCCCAAGATGTTTCCGATGTAAAGCCTGATGGCACCCATCACTTCACTGGGGGACTCCCGAGGGTCCCCGGATCCACCGAAAAACAAGGACACTGCCTCC
Restriction Sites:	NotI-NotI
ACCN:	NM_182826
Insert Size:	3950 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:	NM_182826.1 , NP_878185.1
RefSeq Size:	1711 bp
RefSeq ORF:	1401 bp
Locus ID:	51435
UniProt ID:	Q6AZY7
Cytogenetics:	8p21.1
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 (2), also known as CSR2, differs in the 3' end-region, which includes a part of the coding region, as compared to variant 1. The resulting isoform (2) has a distinct and shorter C-terminus, as compared to isoform 1.