

Product datasheet for **SC122362**

SMOC1 (BC011548) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMOC1 (BC011548) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMOC1
Synonyms:	secreted modular calcium-binding protein 1; SPARC related modular calcium binding 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for BC011548 edited
 CCTGCTGCCGCTGGGCCCGCCGAGCGGAGCTAGCGCCGCGCGCAGAGCACACGCTCGC
 GCTCCAGCTCCCCTCTGCGCGGTTTCACTGACTGTGTCCCCTGACCGCAGCCTCTGCGAGC
 CCCC GCCG CAGG ACCACGGCCCGCTCCCCGCCGCCGCGAGGGCCCCGAGCGAAGGAAGGA
 AGGGAGGCGCGCTGTGCGCCCCGCGGAGCCCGCAACCCCGCTCGCTGCCGGCTGCCAG
 CCTGGCTGGCACCATGCTGCCCGCGCTGCGCCCCGCTGCTCACGCCCACTTGTCTGCT
 GGTGTTGGTGCAGCTGTCCCCTGCTCGCGGCCACCGCACACAGGCCAGGTTTCTAAT
 AAGTGACCGTGACCCACAGTGCAACCTCCACTGCTCCAGGACTCAACCCAAACCCATCTG
 TGCTCTGATGGCAGGTCTACGAGTCCATGTGTGAGTACCAGCGAGCCAAGTGCCGAGA
 CCCCACCTGGGCGTGGTGCATCGAGGTAGATGCAAAGATGCTGGCCAGAGCAAGTGTGCG
 CCTGGAGCGGGCTCAAGCCCTGGAGCAAGCCAAGAAGCCTCAGGAAGCTGTGTTTGTCCC
 AGAGTGTGGCAGGATGGCTCCTTACCAGGTGCAGTGCATACTTACACTGGTACTG
 CTGGTGTGCACCCCGATGGGAAGCCCATCAGTGGCTTCTGTGCAGAATAAACTCC
 TGTATGTT CAGGTT CAGT CACCGACAAGCCCTT GAGCCAGGTA AACTCAGGAAGGAAAGA
 TGACGGGTCTAAGCCGACACCCAGATGGAGACCCAGCCGGTGTTCGATGGAGATGAAAT
 CACAGCCCAACTCTATGGATTAAACACTTGGTGTCAAGGACTCCAAACTGAACAACAC
 CAACATAAGAAATTCAGAGAAAGTCTATTCGTGTGACCAGGAGAGGCAGAGTGCCCTGGA
 AGAGGCCAGCAGAAATCCCCTGAGGGTATTGTGCATCCCTGAATGTGCCCTGGGGGACT
 CTATAAGCCAGTGCAATGCCACCACTGACTGCTGGTGTGTGCTGGTGGACAC
 AGGGGCCCGCTGCTGGGACCTCCACACGCTACGTGATGCCAGTTGTGAGAGCGACGC
 CAGGGCCAAGACTACAGAGGCGGATGACCCCTCAAGGACAGGGAGCTACCAGGCTGTCC
 AGAAGGGAAGAAAATGGAGTTTATCACCAGCCTACTGGATGCTCTCACCCTGACATGGT
 TCAGGCCATTA ACTCAGCAGCGCCCACTGGAGGTGGGAGGTTCTCAGAGCCAGACCCAG
 CCACACCTGGAGGAGCGGGTAGTGCACTGGTATTTTCAGCCAGCTGGACAGCAATAGCAG
 CAACGACATTAACAAGCGGGAGATGAAGCCCTTCAAGCGTACGTGAAGAAGAAAGCCAA
 GCCCAAGAAATGTGCCGGCGTTTACCAGACTACTGTGACCTGAACAAAGACAAGGTCAT
 TTCCTGCTGAGCTGAAGGGCTGCCTGGGTGTTAGCAAAGAAGTAGGACGCTCGTCTA
 AGGAGCAGAAAACCAAGGGCAGGTGGAGAGTCCAGGGAGGCAGGATGGATCACCAGACA
 CCTAACCTTCAGCGTTGCCCATGGCCCTGCCACATCCCGTGAACATAAGTGGTGGCCAC
 CATGTTTGCACCTTTTAATAACTTACTTGCCTGTTTTGTTTTTGGTTTCATTTTAAAC
 ACCAATATCTAATACCACAGTGGGAAAAGGAAAGGGAAGAAAGACTTTATTCTCTCTTT
 ATTGTAAGTTTTTGGATCTGCTACTGACAACTTTTAGAGGGTTTTGGGGGGTGGGGGAG
 GGTGTTGTTGGGGCTGAGAAGAAAGAGATTTATATGCTGTATATAAATATATATGAAAT
 TGTATAGTTCTTTTGTACAGGCAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for BC011548 unedited
 NAAAGCCGTCGGATTTGTATACGACNCACTATAGCGCGCCGNAATTCGCACGAGCGCT
 GCTGCCGCTGGGCCCGCCGAGCGGAGCTAGCGCCGCGCGCAGAGCACACGCTCGCGCT
 CCAGCTCCCCTCTGCGCGGTTTCACTGACTGTGTCCCCTGACCGCAGCCTCTGCGAGCCCC
 CGCCG CAGG ACCACGGCCCGCTCCCCGCCGCCGCGAGGGCCCCGAGCGAAGGAAGGAAGG
 GAGGCGCGCTGTGCGCCCCGCGGAGCCCGCAACCCCGCTCGCTGCCGGCTGCCAGCCT
 GGCTGGCACCATGCTGCCCGCGCTGCGCCCGCTGCTCACGCCCACTTGTGCTGGT
 GTTGGTGCAGCTGTCCCCTGCTCGCGGCCACCGCACACAGGCCCAAGTTTCTAATAAG
 TGACCGTGACCCACAGTGCAACCTCCACTGCTCCAGGACTCAACCCAAACCCATCTGTGC
 CTCTGATGGCAGGTCTACGAGTCCATGTGTGAGTACCAGCGAGCCAAGTGCCGAGACCC
 GACCCTGGGCGTGGTGCATCGAGGTAGATGCAAAGATGCTGGCCAGAGCAAGTGTGCGCT
 GGAGCGGGCTCAAGCCCTGGAGCAAGCCAAGAAGCCTCAGGAAGCTGTGTTTGTCCCAGA
 GTGTGGCGAGGATGGCTCCTTACCAGGTGCAGTGCATACTTACACTGGTACTGCTG
 GTGTGTACCCCGATGGGAAGCCCATCAGTGGCTTCTGTGCAGAATAAACTCCTGT
 ATGTT CAGGTT CAGT CACCGACAAGCCCTT GAGCCAGGTA AACTCAGGAAGGAAAGATGA
 CGGGTCTAAGCCGACACCCCGATGGAGACCCACCCCGTGTTCGATGGAGAGAA

Restriction Sites:	Please inquire
ACCN:	BC011548
Insert Size:	1960 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:	BC011548.1 , AAH11548.1
RefSeq Size:	1960 bp
Locus ID:	64093
Cytogenetics:	14q24.2
Protein Families:	Secreted Protein
Gene Summary:	This gene encodes a multi-domain secreted protein that may have a critical role in ocular and limb development. Mutations in this gene are associated with microphthalmia and limb anomalies. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2011]