

Product datasheet for **SC324469**

SMOC1 (NM_001034852) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMOC1 (NM_001034852) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMOC1
Synonyms:	OAS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001034852.1
 CCTGCTGCCGCTGGGCCCGCCGAGCGGAGCTAGCGCCGCGCAGAGCACACGCTCGC
 GCTCCAGCTCCCCTCCTGCGCGGTTTCACTGACTGTGTCCCCTGACCGCAGCCTCTGCGAGC
 CCCC GCCG CAGG ACCACGGCCCGCTCCCCGCCGCCGAGGGCCCCGAGCGAAGGAAGGA
 AGGGAGGCGCGCTGTGCGCCCGCGGAGCCCGCAACCCCGCTCGCTGCCGGCTGCCAG
 CCTGGCTGGCACCATGCTGCCCGCGCTGCGCCCGCTGCTCACGCCCACTTGCTGCT
 GGTGTTGGTGACGCTGTCCCCTGCTCGCGGCCACCGCACACAGGCCCCAGGTTTCTAAT
 AAGTGACCGTGACCCACAGTGCAACCTCCACTGCTCCAGGACTCAACCCAAACCCATCTG
 TGCTCTGATGGCAGGTCTACGAGTCCATGTGTGAGTACCAGCGAGCCAAGTGCCGAGA
 CCGCACCCTGGGCGTGGTGCATCGAGGTAGATGCAAAGATGCTGGCCAGAGCAAGTGTG
 CCTGGAGCGGGCTCAAGCCCTGGAGCAAGCAAGAAGCCTCAGGAAGCTGTGTTGTCCC
 AGAGTGTGGCAGGATGGCTCCTTTACCCAGGTGCAGTGCATACTTACACTGGTACTG
 CTGGTGTGTACCCCGGATGGGAAGCCCATCAGTGGCTTCTGTGCAGAATAAACTCC
 TGTATGTT CAGGTT CAGT CACCGACAAGCCCTT GAGCCAGGTA AACTCAGGAAGGAAAGA
 TGACGGGTCTAAGCCGACACCCACGATGGAGACCCAGCCGGTGTTCGATGGAGATGAAAT
 CACAGCCCAACTCTATGGATTAACACTTGGTGTCAAGGACTCCAAACTGAACAACAC
 CAACATAAGAAATTCAGAGAAAGTCTATTCGTGTGACCAGGAGAGGCAGAGTGCCCTGGA
 AGAGGCCAGCAGAAATCCCCTGAGGGTATTGTGCATCCCTGAATGTGCCCTGGGGGACT
 CTATAAGCCAGTGCAATGCCACCAGTCCACTGGCTACTGCTGGTGTGTGCTGGTGGACAC
 AGGGGCCCCGCTGCCTGGGACCTCCACACGCTACGTGATGCCAGTTGTGAGAGCGACGC
 CAGGGCCAAGACTACAGAGGCGGATGACCCCTCAAGGACAGGGAGCTACCAGGCTGTCC
 AGAAGGGAAGAAAATGGAGTTTATCACCAGCCTACTGGATGCTCTCACCCTGACATGGT
 TCAGGCCATTA ACTCAGCAGCGCCCACTGGAGGTGGGAGGTTCTCAGAGCCAGACCCAG
 CCACACCCTGGAGGAGCGGGTAGTGCACTGGTATTTTCAGCCAGCTGGACAGCAATAGCAG
 CAACGACATTAACAAGCGGGAGATGAAGCCCTTCAAGCGTACGTGAAGAAGAAAGCCAA
 GCCCAAGAAATGTGCCGGCGTTCACCAGTACTGTGACCTGAACAAAGACAAGTGCAT
 TTCCTGCTGAGCTGAAGGGCTGCCTGGGTGTTAGCAAAGAAGTAGGACGCTCGTCTA
 AGGAGCAGAAAACCAAGGGCAGGTGGAGAGTCCAGGGAGGCAGGATGGATCACCAGACA
 CCTAACCTTCAGCGTTGCCCATGGCCCTGCCACATCCCGTGAACATAAGTGGTGCCAC
 CATGTTTGCACCTTTAATAACTTACTTGCCTGTTTTGTTTTGGTTTCATTTTAAAC
 ACCAATATCTAATACCACAGTGGGAAAAGGAAAGGGAAGAAAGACTTTATTCTCTCTCT
 ATTGTAAGTTTTTGGATCTGCTACTGACAACTTTTAGAGGGTTTTGGGGGGTGGGGGAG
 GGTGTTGTTGGGCTGAGAAGAAAGAGATTTATATGCTGTATATAAATATATATGAAAT
 TGTATAGTTCTTTTGTACAGGCAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_001034852
- 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:

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_001034852.1](#), [NP_001030024.1](#)

RefSeq Size: 3684 bp

RefSeq ORF: 1308 bp

Locus ID: 64093

UniProt ID: [Q9H4F8](#)

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]

Transcript Variant: This variant (1) encodes the longer isoform (1).