OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC328734

SMOC2 (NM_001166412) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMOC2 (NM_001166412) Human Untagged Clone
Tag:	Tag Free
Symbol:	SMOC2
Synonyms:	bA37D8.1; bA270C4A.1; dJ421D16.1; DTDP1; MST117; MSTP117; MSTP140; SMAP2
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001166412, the custom clone sequence may differ by one or more nucleotides ATGCTGCTCCCCCAGCTCTGCTGGCTGCCGCTGCTCGCTGGGCTGCTCCCGCCGGTGCCC GCTCAGAAGTTCTCGGCGCTCACGTTTTTGAGAGTGGATCAAGATAAAGACAAGGATTGT AGCTTGGACTGTGCGGGTTCGCCCCAGAAACCTCTCTGCGCATCTGACGGAAGGACCTTC CTTTCCCGTTGTGAATTTCAACGTGCCAAGTGCAAAGATCCCCAGCTAGAGATTGCATAT CGAGGAAACTGCAAAGACGTGTCCAGGTGTGTGGCCGAAAGGAAGTATACCCAGGAGCAA GCCCGGAAGGAGTTTCAGCAAGTGTTCATTCCTGAGTGCAATGACGACGGCACCTACAGT CAGGTCCAGTGTCACAGCTACACGGGATACTGCTGGTGCGTCACGCCCAACGGGAGGCCC ATCAGCGGCACTGCCGTGGCCCACAAGACGCCCCGGTGCCCGGGTTCCGTAAATGAAAAG TTACCCCAACGCGAAGGCACAGGAAAAACAGATGATGCCGCAGCTCCAGCGTTGGAGACT CAGCCTCAAGGAGATGAAGAAGATATTGCATCACGTTACCCTACCCTTTGGACTGAACAG GTTAAAAGTCGGCAGAACAAAACCAATAAGAATTCAGTGTCATCCTGTGACCAAGAGCAC CAGTCTGCCCTGGAGGAAGCCAAGCAGCCCAAGAACGACAATGTGGTGATCCCTGAGTGT GCGCACGGCGGCCTCTACAAGCCAGTGCAGTGCCACCCCTCCACGGGGTACTGCTGGTGC GTCCTGGTGGACACGGGGCGCCCCATTCCCGGCACATCCACAAGGTACGAGCAGCCGAAA TGTGACAACACGGCCAGGGCCCACCCAGCCAAAGCCCGGGACCTGTACAAGGGCCGCCAG CTACAAGGTTGTCCGGGTGCCAAAAAGCATGAGTTTCTGACCAGCGTTCTGGACGCGCTG TCCACGGACATGGTCCACGCCGCCTCCGACCCCTCCTCCTCGTCAGGCAGGCTCTCAGAA CCCGACCCCAGCCATACCCTAGAGGAGCGGGTGGTGCACTGGTACTTCAAACTACTGGAT AAAAACTCCAGTGGAGACATCGGCAAAAAGGAAATCAAACCCTTCAAGAGGTTCCTTCGC AAAAAATCAAAGCCCAAAAAATGTGTGAAGAAGTTTGTTGAATACTGTGACGTGAATAAT GACAAATCCATCTCCGTACAAGAACTGATGGGCTGCCTGGGCGTGGCGAAAGAGGACGGC AAAGCGGACACCAAGAAACGCCACACCCCCAGAGGTCATGCTGAAAGTACGTCTAATAGA CAGCCAAGGAAACAAGGATAA
Restriction Sites:	Please inquire

View online »

ACCN:	NM_001166412
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_001166412.1, NP_001159884.1
RefSeq Size:	3117 bp
RefSeq ORF:	1341 bp
Locus ID:	64094
UniProt ID:	Q9H3U7
Cytogenetics:	6q27
Protein Families:	Secreted Protein
Gene Summary:	This gene encodes a member of the SPARC family (secreted protein acidic and rich in cysteine/osteonectin/BM-40), which are highly expressed during embryogenesis and wound healing. The gene product is a matricellular protein which promotes matrix assembly and can stimulate endothelial cell proliferation and migration, as well as angiogenic activity. Associated with pulmonary function, this secretory gene product contains a Kazal domain, two thymoglobulin type-1 domains, and two EF-hand calcium-binding domains. The encoded protein may serve as a target for controlling angiogenesis in tumor growth and myocardial ischemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the central coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.