

Product datasheet for **RC211979**

SMOC2 (NM_022138) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SMOC2 (NM_022138) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SMOC2
Synonyms:	bA37D8.1; bA270C4A.1; dJ421D16.1; DTDP1; MST117; MSTP117; MSTP140; SMAP2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC211979 representing NM_022138
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGCTCCCCAGCTCTGCTGGCTGCCGCTGCTCGCTGGGCTGCTCCCGCGGTGCCGCTCAGAAGT
 TCTCGGCCTCACGTTTTGAGAGTGGATCAAGATAAAGACAAGGATTGTAGCTTGGACTGTGCGGGTTC
 GCCCAGAAACCTCTCTGCGCATCTGACGGAAGGACCTTCCTTTCCCGTTGTGAATTTCAACGTGCCAAG
 TGCAAAGATCCCCAGCTAGAGATTGCATATCGAGGAACTGCAAAGACGTGTCCAGGTGTGTGGCCGAAA
 GGAAGTATACCCAGGAGCAAGCCCGAAGGAGTTTTCAGCAAGTTCATTCTGAGTGCATGACGACGG
 CACCTACAGTCAGGTCCAGTGTACAGCTACACGGGATACTGCTGGTGCCTCACGCCAACGGGAGGCC
 ATCAGCGGCACTGCCGTGGCCACAAGACGCCCGGTGCCGGTTCCGTAATGAAAAGTTACCCCAAC
 GCGAAGGCACAGAAAAACAGTCTCCTTGCAAATCTTTCCGTTCTGAATTCAGATGATGCCGACGTCC
 AGCGTTGGAGACTCAGCCTCAAGGAGATGAAGAAGATATTGCATCACGTTACCCTACCCTTTGGACTGAA
 CAGGTTAAAAGTCGGCAGAACAAAACCAATAAGAATTCAGTGTATCCTGTGACCAAGAGACCAGTCTG
 CCCTGGAGGAAGCAAGCAGCCCAAGAACGACAATGTGGTGTATCCCTGAGTGTGCGCACGGCGGCCCTTA
 CAAGCCAGTGCAGTGCCACCCCTCCACGGGGTACTGCTGGTGCCTCCTGGTGGACACGGGGCGCCCAT
 CCCGGCACATCCACAAGTACGAGCAGCCGAAATGTGACAACACGGCCAGGGCCACCCAGCCAAAGCCC
 GGGACCTGTACAAGGGCCGACGCTACAAGTTGTCCGGGTGCCAAAAGCATGAGTTTCTGACCAGCGT
 TCTGGACGCGTGTCCACGGACATGGTCCACGCCGCTCCGACCCCTCCTCCTCGTCAGGACGGCTCTCA
 GAACCCGACCCAGCCATACCCTAGAGGAGCGGGTGGTGCCTGACTTCAAACACTGGATAAAAAA
 CCAGTGGAGACATCGGCAAAAAGGAAATCAAACCCTTCAAGAGGTTCTTCGCAAAAAATCAAAGCCAA
 AAAATGTGTGAAGAAGTTTGTGAATACTGTGACGTGAATAATGACAAATCCATCTCCGTACAAGAACTG
 ATGGGCTGCCTGGCGTGGCGAAAGAGGACGGCAAGCGGACACCAAGAAACGCCACACCCCCAGAGGTC
 ATGCTGAAAGTACGTCTAATAGACAGCCAAGGAAACAAGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211979 representing NM_022138
 Red=Cloning site Green=Tags(s)

MLLPQLCWLPLLAGLLPPVPAQKFSAL TFLRVDQDKDKDCSLDCAGSPQKPLCASDGRFLSRCEFQRAK
 CKDPQLEIAYRGNCKDVSRCVAERKYTQEQRKEFQQVF IPECNDDGTYSQVQCHSYTGYCWCVTPNGRP
 ISGTAVAHKTPRCPGSVNEKLPQREGTGKTVSLQIFSVLNSDDAAAPALETQPQGEEDIASRYPTLWTE
 QVKSQRNKTNKNSVSSCDQEHQSAL EEAQPKNDNVV IPECAHGGLYKPVQCHPSTGYCWCVLVDTGRPI
 PGTSTRYEQPKDNTARAHPAKARDLYKGRQLQGCPGAKKHEFLTSVLDALSTDMVHAASDPSSSSGRLS
 EPDPSHTLEERVVHWFKLLDKNSSGDI GKKEIKPFKRFRLRKKSKPKKCVKVFVEYCDVNNDKSI SVQEL
 MGCLGVAKEDGKADTKRHTPRGHAESTSNRQPRKQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mg3003_d04.zip

Restriction Sites:

Sgfl-Mlul

UniProt ID: [Q9H3U7](#)

Cytogenetics: 6q27

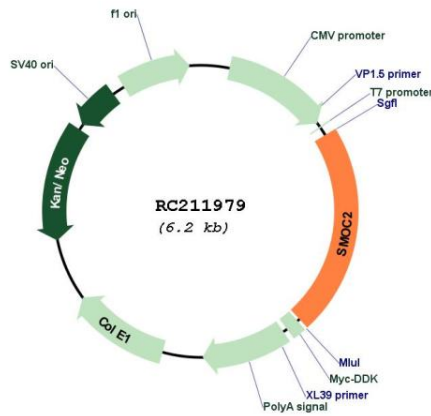
Domains: thyroglobulin_1, EFh, kazal

Protein Families: Secreted Protein

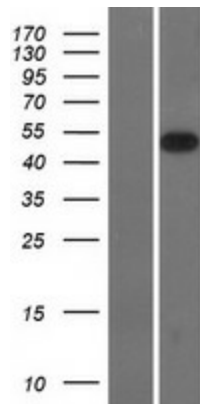
MW: 48.6 kDa

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]

Product images:



Circular map for RC211979



Western blot validation of overexpression lysate (Cat# [LY402910]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211979 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).