

Product datasheet for RR214292

Smoc1 (NM_001002835) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smoc1 (NM_001002835) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Smoc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR214292 representing NM_001002835 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCCGCGCGCTCCGTCTGCTCACGCCCACTTGTGCTCCTGTTGGTGCAATTGTCCCGGCCG
GCGGCCACCGCACCCGCCCCAGGTTTCTAATAAGTGACCGTGACCCCTCCGTGCAACCCCACTGCC
CAGGACTCAACCAAGCCATCTGCGCGTCTGACGGCAGGTCTATGAGTCCATGTGTGAGTACAGAGA
GCCAAGTGCCGAGACCCTGCCCTGGCCGTGGTCCATCGAGGTAGATGCAAAGATGCTGGCCAAAGCAAGT
GTCGCTGGAGAGGGCTCAGGCCTTGAACAAGCAAGAAGCCCCAGGAGGCTGTGTTTGTCCAGAGTG
TGGCGAGGATGGTTCCTTACACAGGTGCACTGTCATACGTACACAGGACTGCTGGTGTGTACCCCCA
GACGGGAAGCCCATCAGTGGCTCGTCCGTGCGAATAAACTCCTGTATGTTCCAGTCCAGTCACTGACA
AGCCCTTGAGCCAGGTAACCTCAGGAAGGAAAGATGATGGCTCTAAACCCAGCCACGATGGAGACCCA
GCCTGTGTTTCGATGGAGATGAAATCACAGCCCTACCTTATGGATTAAGCACTTGGTAATCAAAGACTCC
AAATTGAATAACACCAATGTAAGAAATTCAGAGAAAGTCCATTCTGTGACCAGGAGAGACAGAGCGCCC
TGAAGAGGCCCGCAGAATCCTCGAGAGGGCATTGTGATCCCCGAGTGTCTCCTGGTGGGCTCTATAA
GCCGGTGAATGCCACCAATCCACGGGCTACTGCTGGTGTGTCTAGTGGACACAGGACGCCCATTTGCCG
GGGACTTCCACACGGTATGTGATGCCAAGTTGTGAGAGTGACGCCAGAGCCAAGAGTGTAGAGGTGGATG
ACCTTTCAAGGACAGGGAGTTACCAGGCTGTCCTGAAGGGAAGAAGATGGAATTTATCACCAGCCTGCT
GGATGCCCTCACCACAGACATGGTTCCAGCCATTAACCTCAGCAGCGCCCACTGGAGGTGGGAGGTTCTCA
GAGCCAGACCCACGCCACCCCTGGAGGAGCGGTTGCCACTGGTACTTCCAGCCAGCTGGATAGCAACA
GCAGTGATGACATTAACAAGCGGGAGATGAAACCGTTCAAGCGCTATGTGAAGAAGAAAGCAAGCCAA
GAAGTGCGCCCGCGCTTCAACGACTACTGTGACCTGAACAAGGATAAGGCCATCTCGCTGCCTGAGCTG
AAGGGCTGCCTGGTGTAGCAAAGAAGGTGGTAGCCTTGGCAGCTTCCCTCAGGGAAAACGAGCAGGCA
CAATCCATTTCATTGGACGTCTCGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR214292 representing NM_001002835
 Red=Cloning site Green=Tags(s)

MLPARVRLTTPHLLLLLVLSPAGGHRTTGPRFLISDRDPPCNPHCPRTQPKPICASDGRSYESMCEYQR
 AKCRDPALAVVHRGRCKDAGQSKRLERAQALEQAKKPQEA VVPECGEDGSFTQVQCHTYTGWCVTP
 DGKPI SGSSVQNKTPVCSGPVTDKPLSQNSGRKDDGSKPTPTMETQPVFDGDEITAPTLWIKHLVIKDS
 KLNNTNVRNSEKVHSCDQERQSALEEARQNPREGIVIP ECA PGGLYKPVQCHQSTGYCWCVLVDTGRPLP
 GTSTRYVMPSCESDARAKSVEVDDPFK DRELPGCPEGKKMEFITSLLDALTTDMVQAINSAAPTGGGRFS
 EPDPSHTLEERVAHWYFSQLDSNSSDDINKREMKPFKRYVKKKAKPKKCARRFTDYCDLNKDKAISLPEL
 KGCLGVSKEGSLGSFPQK RAGTNPFI GRLV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

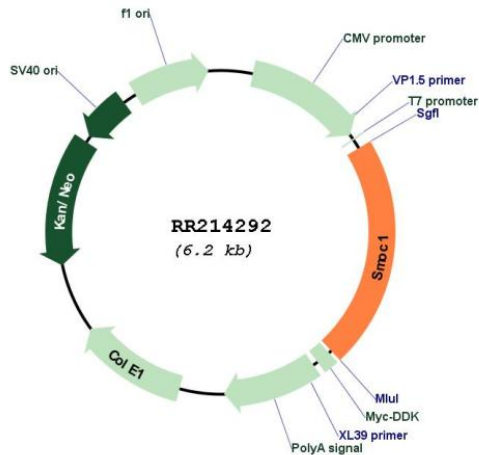
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001002835
ORF Size:	1356 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001002835.1 , NP_001002835.1
RefSeq Size:	1359 bp
RefSeq ORF:	1359 bp
Locus ID:	314280
Cytogenetics:	6q24
MW:	49.8 kDa
Gene Summary:	human homolog binds calcium and may play a role in the extracellular matrix [RGD, Feb 2006]