

Product datasheet for **RG221920**

SRMS (NM_080823) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRMS (NM_080823) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SRMS
Synonyms:	C20orf148; dj697K14.1; PTK70; SRM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG221920 representing NM_080823
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCCGTTCTCAGGAGCGGCTGGCCTTCTGTCTTCTTCTGGGACAAGATCTGGCCGGCGGGCG
 GCGAGCCGGACCATGGCACCCCCGGTCCCTGGACCCCAACTGACCCAGTGCCACGCTCCCCGCCGA
 GCCTTGACAGCCCTTCCCTCAGCTCTTCTTGGCTCTATGACTTCACGGCGCGGTGTGGCGGGGAGCTG
 AGTGTCCGCCCGGGGACAGGCTCTGTGCCCTCGAAGAGGGGGCGGCTACATCTTCGCACGCAGGCTTT
 CGGGCCAGCCAGCGCCGGGCTCGTGCCATCACCCACGTGGCCAAGGCTTCTCTGAGACGCTCTCAGA
 CCAACCCTGGTACTTTAGCGGGTCAGTCGACCCAGGCACAGCAGCTGCTCCTCTCCCCACCAACGAA
 CCAGGGCCCTTCTCATCCGGCCAGCGAGAGCAGCTCGGGGGTACTCACTGTCAGTCCGGGCGCAGG
 CCAAGGTCTGCCACTACCGGGTCTCCATGGCAGCTGATGGCAGCCTCTACCTGCAGAAGGGACGGCTCTT
 TCCCGGCTGGAGGAGCTGCTCACCTACTACAAGCCAAGTGAAGCTGATCCAGAACCCTCTGCTGCAG
 CCTGCATGCCCAAGAAGGCCCGAGGCAGGACGTGTGGGAGCGCCACACTCCGAGTTCGCCCTTGGGA
 GGAAGCTGGTGAAGGCTACTTTGGGGAGGTGTGGGAAGGCTGTGGCTGGGCTCCCTGCCCGTGGCGAT
 CAAGGTCAAGTCAGCCAACATGAAGCTCACTGACCTCGCAAGGAGATCCAGACACTGAAGGGCCTG
 CGGCACGAGCGGCTCATCCGGCTGCACGCAGTGTGCTCGGGCGGGGAGCCTGTGTACATCGTCACGGAAC
 TCATGCGCAAGGGGAACCTGCAGGCTTCTGGGACCCCGAGGGCCGGGCCCTGCGTCTGCCGCCACT
 CCTGGGCTTTGCTGCCAGGTGGCTGAGGGCATGAGCTACCTGGAGGAGCAGCGGTTGTGCACCGGGAC
 TTGGCCGCCCGGAACGTGCTCGTGGACGACGGCCTGGCCTGCAAGGTGGTACTTGGCCTGGCCCGGC
 TGCTCAAGGACGACATCTACTCCCGAGCAGCAGCTCCAAGATCCCGGTCAAGTGACAGCGCTGAGG
 GGCAATTATCGTGTCTTCTCCAGAAGTCAGAGTCTGGTCTTCGGCGTCTGCTGCACGAGGTTTTTC
 ACCTATGGCCAGTGTCCCTATGAAGGGATGACCAACCACGAGACGCTGCAGCAGATCATGCGAGGTTACC
 GGCTGCCGCGCCCGGCTGCCTGCCCGGCGGAGGTCTACGTGCTCATGCTGGAGTGTGGAGGAGCAGCC
 CGAGGAACGGCCCTCTTTGCCACGCTGCGGGAGAAGCTGCACGCCATCCACAGATGCCACCCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG221920 representing NM_080823
 Red=Cloning site Green=Tags(s)

MEPFLRRRLAFLSFFWDKIWPAGGEPDHGTPGSLDPNTDPVPTLPAEPCSPFPQLFLALYDFTARCGGEL
 SVRRGDRLCALEEGGYIFARRLSGQPSAGLVPITHVAKASPETLSDQPWYFSGVSRTQAQQLLLSPPNE
 PGAFLIRPSESSLGGYLSVRAQAKVCHYRVSMADGSLYLQKGRLELLTYYKANWKLIQNPLLQ
 PCMPQKAPRQDVWERPHSEFALGRKLEGEYFGEVWEGLWLGSLPVAIKVIKSANMKLTLAKEIQTLLKGL
 RHERLIRLHAVCSGGEPVYIVTELMRKGNLQAFGLTPEGRALRPLLLGFACQVAEGMSYLEEQRVVHRD
 LAARNVLDVDDLACKVADFLARLLKDDIYSPSSSKIPVKWTAPEAANYRVFSQKSDVWSFGVLLHEVF
 TYGQCPYEGMTHETLQQIMRGYRLPRPAACPAEVYVLMLECWRSPEERPSFATLREKLHAIHRCHP

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

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:	<u>NM_080823.2</u> , <u>NP_543013.1</u>
RefSeq Size:	1516 bp
RefSeq ORF:	1467 bp
Locus ID:	6725
UniProt ID:	<u>Q9H3Y6</u>
Cytogenetics:	20q13.33
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	Non-receptor tyrosine-protein kinase which phosphorylates DOK1 on tyrosine residues (PubMed:23822091). Also phosphorylates KHDRBS1/SAM68 and VIM on tyrosine residues (PubMed:29496907). Phosphorylation of KHDRBS1 is EGF-dependent (PubMed:29496907). [UniProtKB/Swiss-Prot Function]