

Product datasheet for **RR215558**

Sms (NM_001033899) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sms (NM_001033899) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sms
Synonyms: MGC124869
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215558 representing NM_001033899
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGCAGCAAGGCACAGCACGCTCGACTTCACGCTCGGCGCCAAAGCTGATGGTGAGGCCATTCTGA
AAGGCCTTCAGTCCATCTTTCAGGAGCAGGGGATGGCAGAGTCGGTGCACACCTGGCAGGACCATGGGTA
TTTAGCAACCTACACGAACAAGAATGGCAGCTTTGCCAATTTGAGAATTTATCCACATGGATTGGTGTG
CTGGACCTTCAGAGTTACGACAGTGATGTGCAAGGCAAACAAGAACTGACTGCCTTTTGAATAAAATAG
AAGAAAAAATGAAAGAATTGAGTCAAGACAGTACTGGTCGGGTGAAGCGATTACCACCCATAGTTCGAGG
AGGGGCCATTGACAGATACTGGCCTACTGCTGACGGGCGCCTGGTTGAGTATGACATAGATGAAGTGGTG
TATGACGAAGACTCACCTTATCAGAACATTAATAATTTCTCACTCAAAGCAGTTTGGGAATATTCTCATCC
TCAGCGGGGATGTTAATTTGGCAGAGAGTGACTTGGCATATACCAGGGCCATCATGGGCAATGGTAAAGA
AGACTACACTGGCAAAGATGACTGATTCTGGGAGGCGCGATGGAGGCATATTATGTGAAATTGTCAA
CTGAAACCAAAGATGGTCACTATGGTAGAGATTGACCAGATGGTAATTGATGGATGAAGAAATACATGC
GCAGAACATGTGGAGATGTCTTAGACAATCTTAAGGAGATTGCTATCAGTTTCTATAGAAGACTGTAT
TCCAGTACTGAAGAGGTACGCCAAAGAAGGAGAGATTTGATTATGTGATTAATGATTTGACAGCTGTC
CCTATCTCTACATCTCCAGAAGAAGATTCCACATGGGAGTTTCTCAGACTGATTCTTGACCTGTCAATGA
AGGTTCTGAAACAGGATGGAAAATATTTACACAGGGGAACTGTGTCACTTGACTGAAGCCCTGTCGCT
CTATGAAGAACAGCTGGGCGCCTGTATTGTCCTGTGGAATTTCTCAAAGAGATTGTCTGTGTCCCTTCA
TACTTGAATTTGGGTATTTTACTGTTTGAAGAAAGCTAAGCCT

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215558 representing NM_001033899
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MAAARHSTLDFTLGAKADGEAILKGLQSFQEQGMAESVHTWQDHGYLATYTNKNGSFANLRIYPHGLVL
 LDLQSYSDVQKQETDCLLNKIEEKMKELSQDSTGRVKRLPPIVRGGAIDRYWPTADGRLVEYDIDEVV
 YDEDSPYQNIKILHSKQFGNILILSGDVNLAESDLAYTRAIMGNGKEDYTGKDVILGGGDGGILCEIVK
 LKPKMVTMVEIDQMVIDGCKKYMRRTCGDVLNLDLKGDCYQVLIEDCIPVLKRYAKEGREFDYVINDLTAV
 PISTSPPEEDSTWEFLRLILDLSMKVYKQDGKYFTQGNVNLTEALSLYEEQLGRLYCPVEFSKEIVCVPS
 YLELWVFYTVWKKAKP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

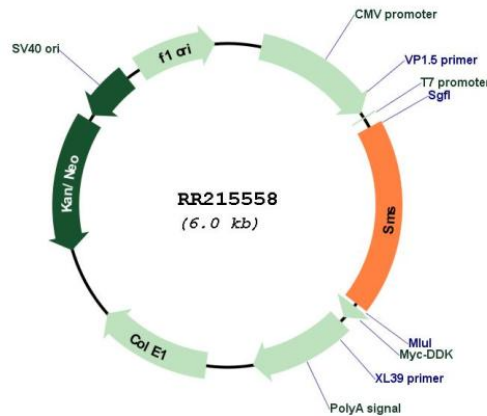
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001033899

ORF Size:	1098 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_001033899.1 , NP_001029071.1
RefSeq Size:	1675 bp
RefSeq ORF:	1101 bp
Locus ID:	363469
Cytogenetics:	Xq21
MW:	41.3 kDa