

## Product datasheet for **MC209464**

### Srm (NM\_009272) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Srm (NM_009272) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Srm
Synonyms:	AA407669; SpdST; SpdSy
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209464 representing NM_009272 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGCCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC  
GCC

ATGGAGCCTGGCCCCGACGGCCAGCCGCGCCCGCCCGCCCATCCGTGAGGGCTGGTTCGAGAGA  
CCTGCAGCCTGTGGCCCGCCAGGCCCTGTGCTGCAAGTGGAGCAGCTGCTTACCACCGCGATCGCG  
GTACCAAGACATCCTCGTCTTCCGAGTAAAACCTACGGCAACGTGCTGGTCTGGATGGCGTCATCCAG  
TGTAAGGAGGGATGAGTTCTCTACCAGGAGATGATCGCCAACCTGCCGCTCTGCAGCCACCCCAACC  
CGCGGAAGGTGCTGATCATCGGGGTGGAGATGGGGGCGTCTACGGGAAGTGGTGAAGCACCCCTCTGT  
GGAGTCGGTGGTCCAGTGCAGATTGATGAGGATGTCATTGAAGTCTCTAAGAAGTCTCTGCCTGGCATG  
GCCGTTGGCTTCTCCAGCTCAAAGCTGACTCTCCACGTGGGCGATGGCTTTGAGTTCATGAAACAGAACC  
AAGATGCCTTTGACGTATCATCACCAGCTCCTCAGACCCATGGGCCCTGCTGAGAGCCTCTTCAAGGA  
GTCCTATTACCAGCTCATGAAGACAGCACTCAAAGAAGATGGCATCCTGTGCTGCCAGGGTGAGTGCCAG  
TGGCTGCACCTGGACCTCATCAAGGAGATGAGGCACTTCTGCAAATCTCTTCCCGTGGTGGACTACG  
CCTACTGTAGCATTCTACCTATCCCAGCGCCAGATCGGCTTCATGCTGTGTAGCAAAAACCCGAGCAC  
CAACTTCCGGGAGCCAGTGCAGCAGTTGACACAGGCCAGGTGGAGCAGATGCAGCTGAAATACTATAAC  
TCGGACATGCACCGTCCCGCTTCGTAAGTGCAGGATTCACCCGGAAGGCCCTCAATGACATAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	AscI-MluI
ACCN:	NM_009272
Insert Size:	909 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_009272.4</a> , <a href="#">NP_033298.1</a>
<b>RefSeq Size:</b>	1328 bp
<b>RefSeq ORF:</b>	909 bp
<b>Locus ID:</b>	20810
<b>UniProt ID:</b>	<a href="#">Q64674</a>
<b>Cytogenetics:</b>	4 E2
<b>Gene Summary:</b>	Catalyzes the production of spermidine from putrescine and decarboxylated S-adenosylmethionine (dcSAM). Has a strong preference for putrescine as substrate, and has very low activity towards 1,3-diaminopropane. Has extremely low activity towards spermidine (By similarity).[UniProtKB/Swiss-Prot Function]