

Product datasheet for MC225891

Smr2 (NM_001252681) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Smr2 (NM_001252681) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smr2
Synonyms:	MSG2; Vcs2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225891 representing NM_001252681 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCCACTGTGTTTGGTCTTTGGCCTCTGTGTTCTTATAGGATGCTTCCTTTCTAGTGAGTGCCAAA
 GAGGCTTCAGAGGACAGCATGATCCTACAAGACCACTATCTCCTTCAAATCCTTCTCATTTTTATCC
 TCAGCCTGATCCCAATCGGTACAGATTCTCAACCAGACAATATCCCCATTTTCATGTTTGAACAACCA
 CATTCTCTTAATATTTGTGTTCTCCTCCTCTTTATACCTTGGAGAAGAATTTGAAAACTACCTCCTA
 ATACTCATATTCCTTATATACTAATACGTCCAGATATTGAACCTCCAAGCAAATATATTCACCAGTTCC
 CAGAAAAAATCAAATGCAACACCAGCTGCCAATAACTTTATACTACTGCTACTGCCCAATTCTACT
 GATAGCTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001252681
Insert Size:	432 bp

OTI Disclaimer: 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).


[View online »](#)

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001252681.1</u> , <u>NP_001239610.1</u>
RefSeq Size:	676 bp
RefSeq ORF:	432 bp
Locus ID:	20600
UniProt ID:	<u>O35979</u>
Cytogenetics:	5 E1
Gene Summary:	<p>May play a role in protection or detoxification.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) lacks an internal exon, contains an alternate internal exon and initiates translation at an alternate start codon, compared to variant 1. Variants 2, 3 and 4 encode the same isoform (2) which has a distinct N-terminus, compared to isoform 1.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>