

## Product datasheet for **MC225889**

### Smr2 (NM\_001252679) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Smr2 (NM_001252679) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Smr2
Synonyms:	MSG2; Vcs2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225889 representing NM_001252679 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAGCCACTGTGTTTGGTCTTTGGCCTCTGTGTTCTTATAGGATGCTTCCTTTCTAGTGAGTGCCAAA  
GAGGCTTCAGAGGACAGCATGATCCTACAAGACCACTATCTCCTTCAAATCCTTCTCTCATTTTTATCC  
TCAGCCTGATCCCAATCGTGTACAGATTCTCAACCAGACAATATCCCCATTTTCATGTTGAACAACCA  
CATTCTCTTAATATTTGTGTTCCCTCCTCCTTTATACCTGGAGAAGAATTTGAAAACTACCTCCTA  
ATACTCATATTCCTTATACTAATAACGTCCAGATATTGAACCTCCAAGCAAATATATTTCAACCAGTTCC  
CAGAAAAAATCAAATGCAACACCAGCTGCCAATAACTTTATACTACTGCTACTGCCCCCAATTCTACT  
GATAGCTTT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001252679
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).



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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001252679.1</a></u> , <u><a href="#">NP_001239608.1</a></u>
<b>RefSeq Size:</b>	813 bp
<b>RefSeq ORF:</b>	432 bp
<b>Locus ID:</b>	20600
<b>UniProt ID:</b>	<u><a href="#">O35979</a></u>
<b>Cytogenetics:</b>	5 E1
<b>Gene Summary:</b>	May play a role in protection or detoxification.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) contains two alternate internal exons 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. 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.