

Product datasheet for MC225890

Smr2 (NM_001252680) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Smr2 (NM_001252680) 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: | >MC225890 representing NM_001252680 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

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

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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| Restriction Sites: | Sgfl-MluI |
| ACCN: | NM_001252680 |
| 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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| 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_001252680.1</u> , <u>NP_001239609.1</u> |
| RefSeq Size: | 743 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 (3) 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. 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> |