

Product datasheet for MR200243

Snrpe (NM_009227) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Snrpe (NM_009227) Mouse Tagged ORF Clone

Tag: Myc-DDK

Symbol: Snrpe

Synonyms: AL022645; C76690; SME

Mammalian Cell N

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>MR200243 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200243 protein sequence

Red=Cloning site Green=Tags(s)

MAYRGQGQKVQKVMVQPINLIFRYLQNRSRIQVWLYEQVNMRIEGCIIGFDEYMNLVLDDAEEIHSKTKS

RKQLGRIMLKGDNITLLQSVSN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

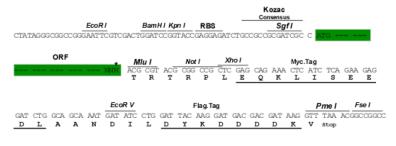
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_009227

ORF Size: 279 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: 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: <u>NM 009227.3</u>

RefSeq Size: 508 bp
RefSeq ORF: 279 bp



 Locus ID:
 20643

 UniProt ID:
 P62305

 Cytogenetics:
 1 E4

MW: 10.8 kDa

Gene Summary: Plays role in pre-mRNA splicing as core component of the SMN-Sm complex that mediates

spliceosomal snRNP assembly and as component of the spliceosomal U1, U2, U4 and U5

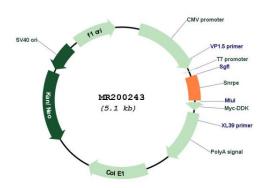
small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome.

Component of both the pre-catalytic spliceosome B complex and activated spliceosome C complexes. Is also a component of the minor U12 spliceosome. As part of the U7 snRNP it is

involved in histone 3'-end processing. May indirectly play a role in hair development.

[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200243