

Product datasheet for **MC226800**

Snrpa (NM_001285825) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snrpa (NM_001285825) Mouse Untagged Clone
Tag: Tag Free
Symbol: Snrpa
Synonyms: C430021M15Rik; Rnu1a-1; Rnu1a1; U1-A; U1A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226800 representing NM_001285825
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCACCATAGCCACCATGCCAGTCCCGAGACCCGTGCCAACCACTATTTATATCAACAATCTCA
ATGAGAAGATCAAGAAGGATGAGCTCAAGAAGTCCCTGTATGCCATCTTCTCCAGTTTGGCCAGATCCT
GGATATCCTGGTGTCTCGGATCATGAAGATGAGGGGCCAGGCCTTCGTCATCTTCAAGGAGGTCACCAGC
GCCACCAATGCCCTGCGCTCCATGCAGGGCTTCCCTTTCTACGACAAGCCATGCCGATCCAGTACGCAA
AGACTGACTCGGACATCATTGCCAAGATGAAGGGCACCTATGTGGAGAGAGATCGCAAACGAGAGAAGAG
GAAGCCCAAGAGTCAGGAGACACCTGCTGCCAAAAAGGCTGTTCAAGGTTGGGCGAGCTGCCGCCGTGGT
GGGGTGTCCAGCCCGTACCGGGCATGCCACCGATGCCTCAGGCACCCCGCATCATGCACCATATGCCAG
GACAGCTCCCTACATGCCGCCACCTGGCATGATCCCGCCACCAGGCCTCGCTCCTGGCCAGATCCCCC
TGGGGCCATGCCCCACAGCAGCTATGCCTGGGAGATGCCGCTGCCAGCCTCTCTCCGAGAACCCA
CCCAATCACATCCTGTTCTCACCAACCTGCCTGAGGAGACCAACGAGCTCATGCTCTCCATGCTCTTCA
ACCAGTCCCTGGCTTCAAGGAGGTGCGTCTGGTCCCTGGGCGCCATGACATCGCCTTCGTTGAGTTGA
CAATGAAGTGCAGGCTGGGCGAGCAGAGATGCCCTGCAAGGCTTAAAGATCACACAAAAAATGCTATG
AAGATCTCTTTGCCAAGAAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001285825
Insert Size: 864 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).
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.
RefSeq:	NM_001285825.1 , NP_001272754.1
RefSeq Size:	1379 bp
RefSeq ORF:	864 bp
Locus ID:	53607
UniProt ID:	Q62189
Cytogenetics:	7 A3
Gene Summary:	<p>Component of the spliceosomal U1 snRNP, which is essential for recognition of the pre-mRNA 5' splice-site and the subsequent assembly of the spliceosome. U1 snRNP is the first snRNP to interact with pre-mRNA. This interaction is required for the subsequent binding of U2 snRNP and the U4/U6/U5 tri-snRNP. SNRPA binds stem loop II of U1 snRNA. In a snRNP-free form (SF-A) may be involved in coupled pre-mRNA splicing and polyadenylation process. May bind preferentially to the 5'-UGCAC-3' motif on RNAs (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>