

Product datasheet for **RN201742**

Stmn1 (NM_017166) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stmn1 (NM_017166) Rat Untagged Clone
Tag: Tag Free
Symbol: Stmn1
Synonyms: Lap18; OP18; PP17; PP19; PR22; prosolin; SMN
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN201742 representing NM_017166
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATCTTCTGATATTCAGGTGAAAGAGCTGGAGAAGCGAGCTCCGGCCAGGCTTTTGAGCTGATTC
TCAGCCCTCGATCAAAGAATCTGTCCCGAGTCCCCCTTTCCCCCAAGAAGAAGGATCTTCCCT
GGAGGAAATTCAGAAGAAATTAGAAGCTGCAGAAGAAAGACGCAAGTTCATGAAGCAGAAGTCTTGAAG
CAGCTCGCTGAGAAGCGGAGCATGAAAAAGAAGTCTCCAGAAAGCCATTGAGGAGAACAACAATTCA
GCAAAATGGCAGAGGAGAACTGACCCACAAAATGGAGGCTAACAAAGAGAACCGGGAGGCGCAAATGGC
TGCCAAGCTGGAGCGTTTGCAGAGAAGGACAAGCACGTTGAAGAGGTGCGGAAGAACAAGAATCCAAA
GACCCCGCGGACGAGACCGAGGCTGACT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_017166
Insert Size: 450 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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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:	<u>NM_017166.1</u> , <u>NP_058862.1</u>
RefSeq Size:	1054 bp
RefSeq ORF:	450 bp
Locus ID:	29332
UniProt ID:	<u>P13668</u>
Cytogenetics:	5q36
Gene Summary:	may promote microtubule depolymerization; may act as a signaling relay phosphoprotein for second messenger signaling pathways involved in cell proliferation and differentiation [RGD, Feb 2006]