

Product datasheet for **RN216031**

Stmn4 (NM_001270859) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stmn4 (NM_001270859) Rat Untagged Clone
Tag: Tag Free
Symbol: Stmn4
Synonyms: Lagl; Rb3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216031 representing NM_001270859
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCCTCGCAGCCTATAAGGAGAAGATGAAGGAACTCCCACTAGTGTCTCTGTTCTGCTCCTGTTTTTC
TGCTGTATCCCCTGAATAAATCATCCTACAATATGAAGGCTGGTGTGGGAGACAGTGTAGGAGGAAAGG
TCAAAGCCAGCGAAAGGCAGTGTCTGACTGGAGAGAAAGAAGAGAACAGGCAGATACGGTAGACCTGAAC
TGGTGTGTCTCTGATATGGAAGTCATCGAGCTGAATAAGTGTACCTCGGGCCAGTCCTTTGAAGTCA
TCCTGAAGCCACCTTCCTTTGACGGGGTGCCTGAGTTTAAATGCCTCCCTCCCAAGACGTCGAGACCCATC
GCTAGAAGAGATACAGAAGAAGCTAGAAGCAGCAGAGGAGCGAAGGAAGTACCAGGAAGCTGAGCTCCTA
AAACACCTTGAGAGAAACGAGAGCATGAGCGTGAGGTAATCCAGAAAGCTATCGAGGAAAAACAACACT
TCATCAAGATGGCGAAAGAGAAGCTGGCCAGAAGATGGAGTCCAATAAGGAAAACCGGGAGGCCATCT
GGCTGCCATGTTGGAGCGGCTGCAAGAGAAGGAGCCGCTGCTGCGCGG**TGA**

ACGCGTACGCGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001270859
Insert Size: 612 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.
RefSeq:	<u>NM_001270859.1</u> , <u>NP_001257788.1</u>
RefSeq Size:	1345 bp
RefSeq ORF:	612 bp
Locus ID:	79423
Cytogenetics:	15p12
Gene Summary:	controls cell proliferation and activities for stathmin [RGD, Feb 2006] Transcript Variant: This variant (6) differs in the 5' UTR and has an alternate exon in the 3' end compared to variant 1. This exon has an in-frame stop codon, resulting in an isoform (b) with a shorter and distinct C-terminus compared to isoform a. Variants 2 and 6 both encode the same isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.