

## Product datasheet for **RN215962**

### Stmn4 (NM\_001270858) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stmn4 (NM\_001270858) 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:** >RN215962 representing NM\_001270858  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCCTCGCAGCCTATAAGGAGAAGATGAAGGAACTCCCACTAGTGTCTCTGTTCTGCTCCTGTTTTTC  
TGCTGATCCCCTGAATAAATCATCCTACAATATGAAGCAGATACGGTAGACCTGAAGTGTGTGCAT  
CTCTGATATGGAAGTCATCGAGCTGAATAAGTGTACCTCGGGCCAGTCCTTTGAAGTCATCTGAAGCCA  
CCTTCCTTTGACGGGGTGCCTGAGTTAATGCCTCCCTCCAAGAGCTCGAGACCCATCGCTAGAAGAGA  
TACAGAAGAAGCTAGAAGCAGCAGAGGAGCGAAGGAAGTACCAGGAAGCTGAGCTCTAAAAACCTTGC  
AGAGAAACGAGAGCATGAGCGTGAGGTAATCCAGAAAGCTATCGAGGAAAACAACAATTTCATCAAGATG  
GCGAAAGAGAAGCTGGCCAGAAGATGGAGTCCAATAAGGAAAACCGGGAGGCCCATCTGGCTGCCATGT  
TGGAGCGGCTGCAAGAGAAGGAGCCGCTGCTGCGCGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270858  
**Insert Size:** 531 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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|-------------------------------|--|
| <b>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>  |
| <b>RefSeq:</b>                | <u><a href="#">NM_001270858.1</a></u> , <u><a href="#">NP_001257787.1</a></u>  |
| <b>RefSeq Size:</b>           | 1333 bp  |
| <b>RefSeq ORF:</b>            | 531 bp   |
| <b>Locus ID:</b>              | 79423  |
| <b>UniProt ID:</b>            | <u><a href="#">P63043</a></u>  |
| <b>Cytogenetics:</b>          | 15p12  |
| <b>Gene Summary:</b>          | controls cell proliferation and activities for stathmin [RGD, Feb 2006]<br>Transcript Variant: This variant (5) lacks an alternate in-frame exon and has an alternate exon in the 3' end compared to variant 1. This additional exon has an in-frame stop codon, resulting in an isoform (e) with a shorter and distinct C-terminus and lacking an alternate internal segment compared to isoform a. 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. |