

## Product datasheet for MR201798

### Stmn4 (NM\_019675) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stmn4 (NM\_019675) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Stmn4  
**Synonyms:** Lagl; R75359; RB3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201798 representing NM\_019675  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACTCTTGAGCCTATAAGGAGAAGTGAAGGAACTCCCACTAGTGTCTCTGTTCTGCTCTTGCTTCT  
 TGTCTGATCCCCTGAATAAATCATCCTACAATATGAAGCAGATACAGTAGACCTGAAGTGGTGCAT  
 CTCTGATATGGAAGTCATCGAGCTGAACAAGTGCACCTCGGGCCAGTCTTTGAAGTCACTTTGAAGCCA  
 CCTTCTTTGACGGGTGCTGAGTTAATGCCTCCCTCCAAGACGGCGAGACCCATCATTAGAAGAGA  
 TTCAGAAGAAGCTAGAAGCAGCAGAGGAGCGAAGGAAGTACCAGGAAGCTGAAGTCTGAAACACCTCGC  
 GGAGAAACGAGAGCACGAGCGAGAGGTGATCCAGAAAGCTATCGAAGAAAACAATAACTTCATCAAGATG  
 GCAAAAGAGAAGCTGGCCAGAAGATGGAGTCCAATAAGGAGAACCAGGAGGCCATCTGGCTGCCATGT  
 TGGAGCGGCTGCAAGAGAAGGACAAGCACGCAGAGGAGGTGCGGAAAAACAAGGAGCTGAAGGAAGAGGC  
 CTCCAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201798 representing NM\_019675  
 Red=Cloning site Green=Tags(s)

MTLAAAYKEKMKELPLVSLFCSCFLSDPLNKSSYKYEADTVDLNWCVISDMEVIELNKCTSGQSFEVILKP  
 PSFDGVPFNASLPRRRDPSLEEIQKLEAAEERRKYQEAELLKHLAEKREHEREVIQKAIENNFIKM  
 AKEKLAQKMSNKENREAHLAAMLERLQEKDKHAEVVRKNKELKEEASR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



Chromatograms: [https://cdn.origene.com/chromatograms/mm9076\\_h05.zip](https://cdn.origene.com/chromatograms/mm9076_h05.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_019675

ORF Size: 567 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: [NM\\_019675.3](#), [NP\\_062649.1](#)

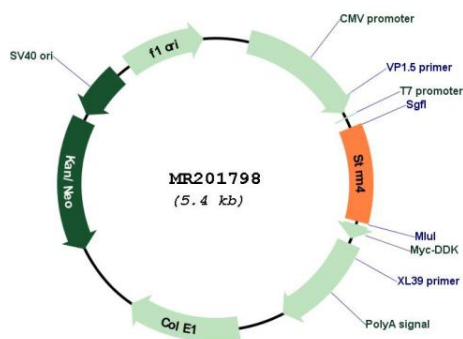
RefSeq Size: 1328 bp

RefSeq ORF: 570 bp

Locus ID: 56471

UniProt ID: [P63042](#)  
 Cytogenetics: 14 D1  
 MW: 22.1 kDa  
 Gene Summary: Exhibits microtubule-destabilizing activity.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201798