

Product datasheet for **RG236535**

STMN4 (NM_001283053) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: STMN4 (NM_001283053) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: STMN4
Synonyms: RB3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236535 representing NM_001283053.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGACCCTTGCTGCCTACAAAGAGAAGATGAAGGAGCTCCCGCTGGTGTCTTGTCTGCTCCTGCTTC
CTGGCCGATCCCCTGAATAAGTCGTCCTACAAATATGAAGGCTGGTGTGGGAGACAGTGTAGGAGGAAG
GATGAAAGCCAGCGAAAGACAGTGTGCTGACTGGAGAGAAAGAAGAGCTCAGGCAGACACGGTGGACCTG
AATTGGTGCCTATTTCCGACATGGAAGTCATCGAGCTGAACAAATGCACCTCGGCCAATCCTTTGAA
GTCATCCTGAAGCCACCCTCCTTTGATGGGTTCCCGAGTTCAACGCCTCCCTGCCAAGGCGCGGAGAC
CCATCCCTGGAAGAGATCCAGAAGAACTAGAAGCGGCTGAGGAGCGAAGGAAGTACCAGGAAGCGGAG
CTCCTGAAACACCTAGCAGAGAAACGGGAACATGAGAGAGAGGTGATCCAAAAGGCCATTGAGGAAAAC
AACAACTTCATCAAGATGGCTAAGGAAAACTGGCCCAGAAAGATGGAATCCAACAAGGAGAACAGGGAG
GCCACCTCGCCGCATGTTGGAACGGCTGCAAGAGAAGGAACCGCCTGCTGCGCGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236535
Blue=ORF Red=Cloning site Green=Tag(s)

```
MTLAAAYKEKMKELPLVSLFCSCFLADPLNKSSYKYGWCGRQRRKDESQRKDSADWRERRAQADTVDL
NWCVISDMEVIELNKCTSGQSFVILKPPSFDGVPEFNASLPRRRDPSLEEIQKLEAAEERRKYQEAEL
LLKHLAEKREHEREVIQKAIENNNFIKMAKEKLAQKMESNKENREAHLAAMLERLQKEKPPAAR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_001283053

ORF Size: 609 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).

RefSeq: [NM_001283053.2](#)

RefSeq Size: 2406 bp

RefSeq ORF: 612 bp

Locus ID: 81551

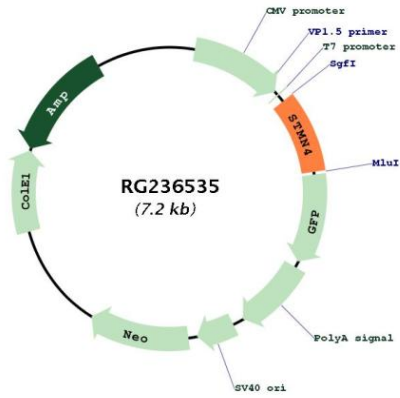
UniProt ID: [Q9H169](#)

Cytogenetics: 8p21.2

MW: 24.2 kDa

Gene Summary: Exhibits microtubule-destabilizing activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG236535