

Product datasheet for **RG236421**

STMN4 (NM_001283054) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: STMN4 (NM_001283054) 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: >RG236421 representing NM_001283054.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACCCTTGCTGCCTACAAAGAGAAGATGAAGGAGCTCCCGCTGGTGTCTTGTCTGCTCCTGCTTC
CTGGCCGATCCCCTGAATAAGTCGTCTACAAATATGAAGCAGACACGGTGGACCTGAATTGGTGCCTC
ATTTCCGACATGGAAGTCATCGAGCTGAACAAATGCACCTCGGGCAATCCTTTGAAGTCATCCTGAAG
CCACCCTCCTTTGATGGGGTTCCCGAGTTCAACGCCTCCCTGCCAAGGCGGCGAGACCCATCCCTGGAA
GAGATCCAGAAGAACTAGAAGCGGCTGAGGAGCGAAGGAAGTACCAGGAAGCGGAGCTCCTGAAACAC
CTAGCAGAGAAAACGGGAACATGAGAGAGAGGTGATCCAAAAGGCCATTGAGGAAAACAACAATTTCATC
AAGATGGCTAAGGAAAACTGGCCGAGAAGATGGAATCCAACAAGGAGAACAGGGAGGCCACCTCGCC
GCCATGTTGGAACGGCTGCAAGAGAAGGACAAGCACGCCGAGGAGGTGCGGAAAAACAAGGAGCTGAAG
GAAGAGGCCTCCAGG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236421
Blue=ORF Red=Cloning site Green=Tag(s)

```
MTLAAYKEKMKELPLVSLFCSCFLADPLNKSSYKYEADTVDLNWCVISDMEVIELNKCTSGQSFEVILK
PPSFDGVPFNASLPRRRDPSLEEIQKKLEAAEERRKYQEALLKHLAEKREHEREVIQKAIENNNFI
KMAKEKLAQKMESNKENREAHLAAMLERLQEKDKHAEVVRKNKELKEEASR
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_001283054

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).

RefSeq: [NM_001283054.2](#)

RefSeq Size: 2271 bp

RefSeq ORF: 570 bp

Locus ID: 81551

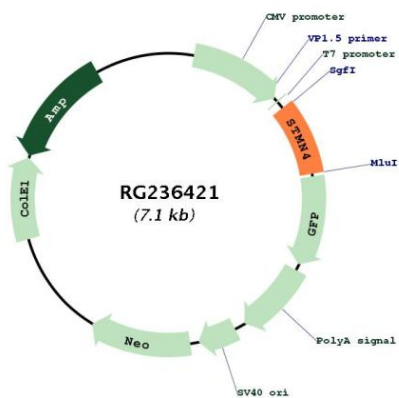
UniProt ID: [Q9H169](#)

Cytogenetics: 8p21.2

MW: 22.5 kDa

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

Product images:



Circular map for RG236421