

Product datasheet for **RG203659**

STMN3 (NM_015894) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: STMN3 (NM_015894) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: STMN3
Synonyms: SCLIP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG203659 representing NM_015894
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCCAGCACCATTTCCGCCTACAAGGAGAAGATGAAGGAGCTGTCGGTGCTGTCGCTCATCTGCTCCT
GCTTCTACACACAGCCGACCCCAATACCGTCTACCACTACGGGACATGGAGGTGAAGCAGCTGGACAA
GCGGGCCTCAGGCCAGAGCTTCGAGGTATCCTCAAGTCCCTTCTGACCTGTCCCAGAGAGCCCTATG
CTCTCTCCCCACCAAGAAGAAGGACACCTCCCTGGAGGAGCTGCAAAAGCGGCTGGAGGCAGCCGAGG
AGCGGAGGAAGACGCAGGAGGCGCAGGTGCTGAAGCAGCTGGCGGAGCGGCGGAGCAGCAGCGCAGGT
GCTGCACAAGGCGCTGGAGGAGAATAACAATTACGCCGCCAGGCGGAGGAGAAGCTCAACTACAAGATG
GAGCTCAGCAAGGAGATCCGCGAGGCACACCTGGCCGCACTGCGCGAGCGGCTGCGCGAGAAGGAGCTGC
ACGCGGCCGAGGTGCGCAGGAACAAGGAGCAGCGAGAAGAGATGTCGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203659 representing NM_015894
Red=Cloning site Green=Tags(s)

MASTISAYKEKMKELSVLSLICSCFYTPHPNTVYQYGDMEVKQLDKRASGQSFEVILKSPSDLSPESPM
 LSSPPKKKDTSLLELQKRLEAAEERRKTQEAQVLKQLAERREHEREVLHKALEENNNSRQAEELKNYKM
 ELSKEIREAHLAALRERLREKELHAAEVRRNKEQREMSG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:

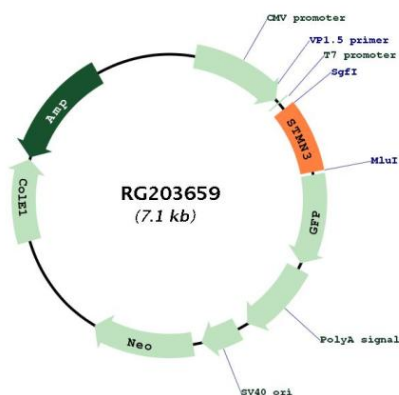

ACCN:	NM_015894
ORF Size:	540 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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:	<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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_015894.4
RefSeq Size:	2255 bp
RefSeq ORF:	543 bp
Locus ID:	50861

UniProt ID: [Q9NZ72](#)

Cytogenetics: 20q13.33

Gene Summary: This gene encodes a protein which is a member of the stathmin protein family. Members of this protein family form a complex with tubulins at a ratio of 2 tubulins for each stathmin protein. Microtubules require the ordered assembly of alpha- and beta-tubulins, and formation of a complex with stathmin disrupts microtubule formation and function. A pseudogene of this gene is located on chromosome 22. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2013]

Product images:



Circular map for RG203659