

Product datasheet for RC232028

STMN2 (NM 001199214) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: STMN2 (NM_001199214) Human Tagged ORF Clone

Tag: Myc-DDK Symbol: STMN2

Synonyms: SCG10; SCGN10

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)

ORF Nucleotide >RC232028 representing NM_001199214
Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCTAAAACAGCAATGGCCTACAAGGAAAAAATGAAGGAGCTGTCCATGCTGTCACTGATCTGCTCTT GCTTTTACCCGGAACCTCGCAACATCAACAACATCTATACTTACGATGATATGGAAGTGAAGCAAAATCAACAA ACGTGCCTCTGGCCAGGCTTTTGAGCTGATCTTGAAGCCACCATCTCCTATCTCAGAAGCCCCACGAACT TTAGCTTCTCCAAAGAAGAAGACCTGTCCCTGGAGGAGATCCAGAAGAAACTGGAGGCTGCAGAGGAAA GAAGAAAGTCTCAGGAGGCCCAGGTGCTGAAACAATTGGCAGAGAAGAAGCTGATCCTTCAGAAGGCTTCAGAAGAACAACTTCAGCAAGATGGCGGAGAAAAGCTGATCCTGAAAAATGGAA CAAATTAAGGAAAACCGTGAGGCTAATCTAGCTGCTATTATTGAACGTCTGCAGGAAAAGCTGGTCAAGT TTATTTCTTCTGAACTAAAAAGAATCTATAGAGTCTCAATTTCTGGAGCTTCAGAGGGAAAGCAA

Α

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC232028 representing NM_001199214

Red=Cloning site Green=Tags(s)

MAKTAMAYKEKMKELSMLSLICSCFYPEPRNINIYTYDDMEVKQINKRASGQAFELILKPPSPISEAPRT LASPKKKDLSLEEIQKKLEAAEERRKSQEAQVLKQLAEKREHEREVLQKALEENNNFSKMAEEKLILKME

QIKENREANLAAIIERLQEKLVKFISSELKESIESQFLELQREGEKQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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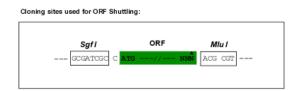
CN: techsupport@origene.cn

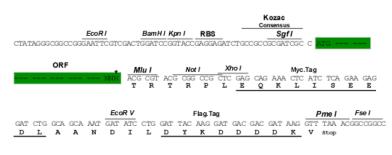
Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_001199214

ORF Size: 561 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 001199214.2

RefSeq Size: 2314 bp
RefSeq ORF: 564 bp
Locus ID: 11075
UniProt ID: Q93045



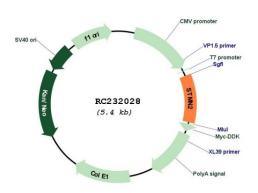
Cytogenetics: 8q21.13 MW: 22.3 kDa

Gene Summary: This gene encodes a member of the stathmin family of phosphoproteins. Stathmin proteins

function in microtubule dynamics and signal transduction. The encoded protein plays a regulatory role in neuronal growth and is also thought to be involved in osteogenesis. Reductions in the expression of this gene have been associated with Down's syndrome and Alzheimer's disease. Alternatively spliced transcript variants have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome 6. [provided by

RefSeq, Nov 2010]

Product images:



Circular map for RC232028