

## Product datasheet for **SC329498**

### STMN2 (NM\_001199214) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** STMN2 (NM\_001199214) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** STMN2  
**Synonyms:** SCG10; SCGN10  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329498 representing NM\_001199214.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGGCTAAAACAGCAATGGCCTACAAGGAAAAATGAAGGAGCTGCCATGCTGTCACTGATCTGCTCT
TGCTTTTACCCGGAACCTCGCAACATCAACATCTATACTTACGATGATATGGAAGTGAAGCAAATCAAC
AAACGTGCCTCTGGCCAGGCTTTTGAGCTGATCTTGAAGCCACCATCTCCTATCTCAGAAGCCCCACGA
ACTTTAGCTTCTCAAAGAAGAAAGACCTGTCCCTGGAGGAGATCCAGAAGAACTGGAGGCTGCAGAG
GAAAGAAGAAAGTCTCAGGAGGCCAGGTGCTGAAACAATTGGCAGAGAAGAGGGAACACGAGCGAGAA
GTCCTTCAGAAGGCTTTGGAGGAGAACAACAACCTCAGCAAGATGGCGGAGGAAAAGCTGATCCTGAAA
ATGGAACAAATTAAGGAAAACCGTGAGGCTAATCTAGCTGCTATTATTGAACGCTGCAGGAAAAGCTG
GTCAAGTTTATTTCTTCTGAACTAAAAGAATCTATAGAGTCTCAATTTCTGGAGCTTCAGAGGGAAGGA
GAGAAGCAATGA
```

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001199214  
**Insert Size:** 564 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).  
**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).



[View online »](#)

**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\\_001199214.1](#)

**RefSeq Size:** 2314 bp

**RefSeq ORF:** 564 bp

**Locus ID:** 11075

**UniProt ID:** [Q93045](#)

**Cytogenetics:** 8q21.13

**MW:** 21.8 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]  
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).