

Product datasheet for **MC202146**

Stmn2 (NM_025285) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stmn2 (NM_025285) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Stmn2
Synonyms:	A1159727; SCG10; Scgn10; Stmb2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026538 sequence for NM_025285
 CCTTCTCCTTTGCCTTCGCCACCACTCCGTGCGTGCACATCCCTACAATGGCTAAAACAGCAATGGCCTA
 CAAGGAAAAATGAAGGAGCTGTCTATGCTGTCACTGATCTGCTCCTGCTTACCCGGAGCCGCGCAAC
 ATCAACATCTACACCTACGACGACATGGAGGTGAAGCAGATCAACAAGCGGGCCTCTGGCCAGGCTTTTG
 AGCTGATCTTGAAGCCACCATCTCCCATCTCAGAAGCTCCACGAAGCTAGCTTCTCAAAGAAGAAAGA
 CCTGTCTCTGGAGGAGATTGAGAAAAAGCTGGAGGCTGCAGAGGAGCGAAGAAAGTCTCAAGAGGCTCAG
 GTGCTGAAGCAGTTGGCAGAGAAGAGGGAGCAGCAGAGGAGGCTCCAGAAGCGCTGGAGGAGAAC
 ACAACTTCAGCAAGATGGCGGAGGAGAAGCTGATCCTGAAGATGGAACAGATTAAGGAAAAACCGTAGGC
 TAATCTAGCTGCTATCATTGAACGTCTGCAAGAAAAGGAGAGGCATGCTGCAGAGTTTCGCAAGAACAG
 GAACTGCAGGTTGAACTGTCTGGCTGAAGCAATGGCGGGTATGGCAAGCCCTCCCATAGTAAATCCCC
 TGCCTATATTATAATGGATCATGCGATACAGTATGGGAAGTGTATGACATGGTTTAAAAAGAACTCATT
 ATGAAAAACAAAAACAAAAACAGAATCAAAAAATAAATAAAAAATCAATGCGGTCTCTTTCAGAAATGTTT
 TGCTTGATGTTTTAAAAAGTACCTTGGATCTTATTTTGTAAATATTTACATTTTTGTAAAAATACAAG
 TATTGCATTATGCAAGTTATTTTCATGATCTTACATGCTCCTGTAACAGGCTTTTGACGTTGTGTCTTTCCA
 CTCAGATGGATTTGCTAGGTCTGTCTTTTGGAAAGCCCACTCAGTCCCTGCCCTTTTCATTCCAACCGA
 AAAATGAGGTCAGTAGACAGTCTATGGTCTAGAAACCCACCATTGCCTAATGACCTAGATGACTCCGTA
 ATCTCTGAGCGTGACCAAGACCACACCTAGATCGTGGGTACTGTGTGTCCATGTGAACCTCCACATTTGC
 TCGTAATCTGCTTCTGCCTAGAAAGCGGCAAGCCAGGCTAAGGGAATCTACCAGTCATAGCACTTATGT
 CTGCTCCTCATGGATTACGCGCTACACATGTGTTTGGGTTTTAGAAACAGGTGCATGTGAAGACAAATCT
 GAGCTCAGTCAGGTTAGAAGCGAAAGGCTGAACCTTCCAACGTGCTGATCACAACGCAAGCCAGAGGG
 TTCAAGCAGCCATGGGATTGTTCTTTCATGAAGTGGGCTTATTTCTCTCATTTTAGTTATTATGATGGGAT
 GAATTAATTGACATGTCGGGTGGCTTATCTGTGGTGCCATGGGTGATGATGTTTCATTTTAAGCTTTTGC
 CTGTAGTACAAGCACATAATGCTACTGAACGTTTTTCCACTTGGAGACTGTGAGCTGGTGTCTGCATTAA
 AAACACAACAAAAATCACAAAGCACTGTGGACTTTTACTCAAGCTGGTCTTTCTTCCCAAGTGTAGGGCAA
 TCCTGCCTATAAAACAAGACCAAAACCACTCCATCTGTGATGCTGACGCAAGTGAAGGGGCCAGGCAGGGCAT
 TTGTGCCAAGTATAAGAAATCAGCAGACCCAGCATACGTACCTATTGCAGTTTTGAAGTTGTTTCTCCC
 TAACTCCCAACTCCCAACTCCCAAACTGCCTGCATATTTACTCTTCGTCAGTGCTATCTTCTGTATGTC
 ATTGTGAGCAAGCTGTGATGAATAAAGAATTGGAGTTCTGTGAACAAAAAAAAAAAAAAAAAAAAAAAAAA AA

Restriction Sites: RsrII-NotI

ACCN: NM_025285

Insert Size: 540 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).

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: [BC026538](#), [AAH26538](#)

RefSeq Size: 1892 bp

RefSeq ORF: 540 bp

Locus ID: 20257

UniProt ID: [P55821](#)

Cytogenetics: 3 2.15 cM

Gene Summary: Regulator of microtubule stability. When phosphorylated by MAPK8, stabilizes microtubules and consequently controls neurite length in cortical neurons. In the developing brain, negatively regulates the rate of exit from multipolar stage and retards radial migration from the ventricular zone.[UniProtKB/Swiss-Prot Function]