

Product datasheet for **SC326533**

Stathmin 1 (STMN1) (NM_001145454) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Stathmin 1 (STMN1) (NM_001145454) Human Untagged Clone
Tag:	Tag Free
Symbol:	STMN1
Synonyms:	C1orf215; Lag; LAP18; OP18; PP17; PP19; PR22; SMN
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001145454, the custom clone sequence may differ by one or more nucleotides ATGGCTTCTTCTGATATCCAGGTGAAAGAAGCTGGAGAAGCGTGCCTCAGGCCAGGCTTTT GAGCTGATTCTCAGCCCTCGGTCAAAGAATCTGTTCCAGAATCCCCCTTTCCCCTCCA AAGAAGAAGGATCTTCCCTGGAGGAAATTCAGAAGAAATTAGAAGCTGCAGAAGAAAGA CGCAAGTCCCATGAAGCTGAGGTCTTGAAGCAGCTGGCTGAGAAACGAGAGCACGAGAAA GAAGTGCTTCAGAAGGCAATAGAAGAGAACAACAACCTTCAGTAAAATGGCAGAAGAGAAA CTGACCCACAAAATGGAAGCTAATAAAGAGAACCGAGAGGCACAAATGGCTGCCAAACTG GAACGTTTGCAGAGAAGATGTACTTCTGGACTCACGGGCTGGGGCCCCCAGCACAG ATCTCTGCTGAGCAATCTTGCTCCACTCTGTTCTGCCCTTTGCCAGCCCTGGGCCTC CAATCTGCATTGATTACCTGGTCTGATCTCTCACCATCAC
Restriction Sites:	Please inquire
ACCN:	NM_001145454
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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).



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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_001145454.1](#), [NP_001138926.1](#)

RefSeq Size: 2265 bp

RefSeq ORF: 525 bp

Locus ID: 3925

UniProt ID: [P16949](#)

Cytogenetics: 1p36.11

Protein Pathways: MAPK signaling pathway

Gene Summary: This gene belongs to the stathmin family of genes. It encodes a ubiquitous cytosolic phosphoprotein proposed to function as an intracellular relay integrating regulatory signals of the cellular environment. The encoded protein is involved in the regulation of the microtubule filament system by destabilizing microtubules. It prevents assembly and promotes disassembly of microtubules. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2009]
Transcript Variant: This variant (4) represents the longest transcript, and encodes the longer isoform (b).