

## Product datasheet for **SC308156**

### Stathmin 1 (STMN1) (NM\_203401) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stathmin 1 (STMN1) (NM_203401) Human Untagged Clone
Tag:	Tag Free
Symbol:	Stathmin 1
Synonyms:	C1orf215; Lag; LAP18; OP18; PP17; PP19; PR22; SMN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>&gt;OriGene sequence for NM_203401 edited</p> <p>GGGGGGTGCTCTGTTTGGCGCTTTTGTGCGCGCCCGGTCTGTTGGTGCTCAGAGTGTG          GTCAGGCGGCTCGGACTGAGCAGGACTTTCCTTATCCAGTTGATTGTGCAGAATACACT          GCCTGTGCTTGTCTTCTATTACCATGGCTTCTTCTGATATCCAGGTGAAAGAAGTGA          GAAGCGTGCCTCAGGCCAGGCTTTTGTGCTGATTCTCAGCCCTCGGTCAAAGAATCTGT          TCCAGAATTCCCCTTTCCCCTCAAAGAAGAAGGATTTTCCCTGGAGGAAATTCAGAA          GAAATTAGAAGCTGCAGAAGAAAGACGCAAGTCCCATGAAGCTGAGGTCTTGAAGCAGCT          GGCTGAGAAACGAGAGCACGAGAAAGAAGTGCTTCAGAAGGCAATAGAAGAGAACAA          CTTCAAGTAAATGGCAGAAGAGAAAGTACCCACAAAATGGAAGCTAATAAAGAGAACCG          AGAGGCACAAATGGCTGCCAAAGTGAACGTTTGCAGAGAGAGGATAAGCACATTGAAGA          AGTGCGGAAGAACAAAGAATCCAAGACCCTGCTGACGAGACTGAAGCTGACTAATTTGT          TCTGAGAACTGACTTTCTCCCATCCCCTTCTAAATATCCAAAGACTGTACTGGCCAGT          GTCATTTTATTTTCCCTCCTGACAAATATTTAGAAGCTAATGTAGGACTGTATAGGT          AGATCCAGATCCAGACTGTAAGATGTTGTTTATAGGGCTAAAGGGGAGAACTGAAAGTG          TTTTACTCTTTTCTAAAGTGTGGTCTTTCTAATGTAGCTATTTTCTTGTGTCATCTT          TTCTACTTCAGTACACTTGGTGTACTGGGTTAATGGCTAGTACTGTATTGGCTCTGTGAA          AACATATTTGTGAAAAGAGTATGTAGTGGCTCCTTTGAACTGTTAGATGCTGAATATCT          GTTCACTTTTCAATCCCAATCTGTCCCAATCTTACCAGATGCTACTGGACTTGAATGGT          TAATAAGACTGCACAGTGCTGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</p>
Restriction Sites:	SgfI-MluI
ACCN:	NM_203401



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_203401.1</a></u> , <u><a href="#">NP_981946.1</a></u>
<b>RefSeq Size:</b>	1730 bp
<b>RefSeq ORF:</b>	450 bp
<b>Locus ID:</b>	3925
<b>UniProt ID:</b>	<u><a href="#">P16949</a></u>
<b>Cytogenetics:</b>	1p36.11
<b>Protein Pathways:</b>	MAPK signaling pathway
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR and uses an alternate terminal exon, compared to variant 4. The resulting isoform (a) has a shorter and distinct C-terminus, compared to isoform b. Variants 1, 2, and 3 encode the same protein.</p>