


## Product datasheet for **SC308155**

### Stathmin 1 (STMN1) (NM\_203399) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Stathmin 1 (STMN1) (NM_203399) Human Untagged Clone
Tag:	Tag Free
Symbol:	STMN1
Synonyms:	C1orf215; Lag; LAP18; OP18; PP17; PP19; PR22; SMN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308155 representing NM_203399. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCTTCTTCTGATATCCAGGTGAAAGAACTGGAGAAGCGTGCCTCAGGCCAGGCTTTTGAGCTGATT
CTCAGCCCTCGGTCAAAGAATCTGTTCCAGAATCCCCCTTTCCCTCAAAGAAGAAGGATCTTTCC
CTGGAGGAAATTCAGAAGAAATAGAAGCTGCAGAAGAAAGACGCAAGTCCCATGAAGCTGAGGTCTTG
AAGCAGCTGGCTGAGAAACGAGAGCACGAGAAAGAAGTGTTCAGAAGGCAATAGAAGAGAACAACAAC
TTCAGTAAATGGCAGAAGAGAACTGACCCACAAAATGGAAGCTAATAAAGAGAACCGAGAGGCACAA
ATGGCTGCCAAACTGGAACGTTTGCGAGAGAAGGATAAGCACATTGAAGAAGTCCGGAAGAACAAGAA
TCCAAAGACCCTGCTGACGAGACTGAAGCTGAC TAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	
ACCN:	NM_203399
Insert Size:	450 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).



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<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_203399.1</a></u>
<b>RefSeq Size:</b>	1518 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>MW:</b>	17.3 kDa
<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 (2) 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>