

## Product datasheet for **RG205073**

### Stathmin 1 (STMN1) (NM\_203401) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Stathmin 1 (STMN1) (NM\_203401) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Stathmin 1  
**Synonyms:** C1orf215; Lag; LAP18; OP18; PP17; PP19; PR22; SMN  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG205073 representing NM\_203401  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTTCTTCTGATATCCAGGTGAAAGAACTGGAGAAGCGTGCCTCAGGCCAGGCTTTTGAGCTGATTC  
TCAGCCCTCGGTCAAAGAATCTGTTCCAGAATCCCCCTTTCCCTCAAAGAAGAAGGATTTTCCCT  
GGAGGAAATTCAGAAGAAATTAGAAGCTGCAGAAGAAAGCGCAAGTCCCATGAAGCTGAGGTCTTGAAG  
CAGCTGGCTGAGAAACGAGAGCACGAGAAAGAAGTGCTTCAGAAGGCAATAGAAGAGAACAACAATTCA  
GTAAAATGGCAGAAGAGAACTGACCCACAAAATGGAAGCTAATAAAGAGAACCGAGAGGCACAAATGGC  
TGCCAAACTGGAACGTTTGCAGAGAAGGATAAGCACATTGAAGAAGTGCAGGAAGAACAAGAATCCAAA  
GACCCTGCTGACGAGACTGAAGCTGAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG205073 representing NM\_203401  
Red=Cloning site Green=Tags(s)

MASSDIQVKELEKRASGQAFELILSPRSKESVPEFPLSPPKKKDFSLEEIQKKLEAAEERRKSHEAEVLK  
QLAEKREHEKEVLQKAIENNNSKMAEEKLTHKMEANKENREAQMAAKLERLREKDKHIEEVRKNKESK  
DPADETEAD

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_203401

**ORF Size:** 447 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [NM\\_203401.1](#), [NP\\_981946.1](#)

**RefSeq Size:** 1730 bp

**RefSeq ORF:** 450 bp

**Locus ID:** 3925

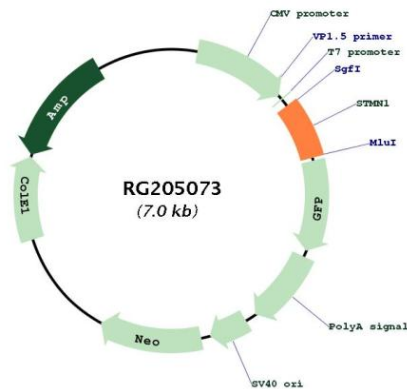
**UniProt ID:** [P16949](#)

**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]

**Product images:**



Circular map for RG205073