

Product datasheet for RC227355

Stathmin 1 (STMN1) (NM_001145454) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stathmin 1 (STMN1) (NM_001145454) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: STMN1
Synonyms: C1orf215; Lag; LAP18; OP18; PP17; PP19; PR22; SMN
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC227355 representing NM_001145454
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTTCTTCTGATATCCAGGTGAAAGAACTGGAGAAGCGTGCCTCAGGCCAGGCTTTTGAGCTGATTC
 TCAGCCCTCGGTCAAAGAATCTGTTCCAGAATCCCCCTTCCCCTCAAAGAAGAAGGATCTTCCCT
 GGAGGAAATTCAGAAGAAATTAGAAGCTCAGAAGAAAGACGCAAGTCCCATGAAGCTGAGGTCTTGAAG
 CAGCTGGCTGAGAAACGAGAGCACGAGAAAGAAGTGCTTCAAGAAGCAATAGAAGAGAACAACAATTCA
 GTAAAAATGGCAGAAGAGAAACTGACCCACAAAATGGAAGCTAATAAAGAGAACCGAGAGGCACAAATGGC
 TGCCAAACTGGAACGTTTGCAGAGAAGATGTACTTCTGGACTCACGGGCTGGGGCCACCCAGCACAG
 ATCTCTGCTGAGCAATCTGTCTCCACTCTGTTCTGCCCTTTGCCAGCCCTGGGCTCCAATCTGCAT
 TGATTACCTGGTCTGATCTCTCACCATCAC

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227355 representing NM_001145454
 Red=Cloning site Green=Tags(s)

MASSDIQVKELEKRASGQAFELILSPRSKESVPEFPLSPPKKKDLSEELIQQKLEAAEERRKSHEAEVLK
 QLAEKREHEKEVLQKAIENNNFSKMAEEKLTHKMEANKENREAQMAAKLERLREKMYFWTHGPGAHPAQ
 ISAEQSCLHSPALCPALGLQSALITWSDLSHHH

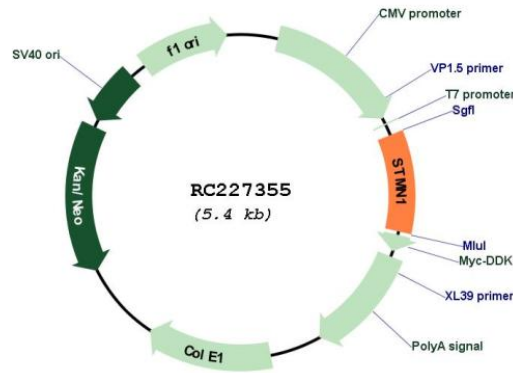
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001145454

ORF Size: 522 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:	<ol style="list-style-type: none">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_001145454.3
RefSeq ORF:	525 bp
Locus ID:	3925
UniProt ID:	P16949
Cytogenetics:	1p36.11
Protein Pathways:	MAPK signaling pathway
MW:	19.6 kDa
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]