

Product datasheet for RC203952

STMN4 (NM_030795) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	STMN4 (NM_030795) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	STMN4
Synonyms:	RB3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203952 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGACCC TTGCTGCCTACAAAGAGAAGATGAAGGAGCTCCCGCTGGTGTCTTTGTTCTGCTCCTGCTTCC
TGGCCGATCCCCTGAATAAGTCGTCCTACAAATATGAAGGCTGGTGTGGGAGACAGTGTAGGAGGAAGGA
TGAAAGCCAGCGGAAAGACAGTGTGCTGACTGGAGAGAAAGAAGAGCTCAGGCAGACACGGTGGACCTGAAT
TGGTGCCTCATTCCGACATGGAAGTCATCGAGCTGAACAAATGCACCTCGGGCCAATCCTTTGAAGTCA
TCCTGAAGCCACCCTCCTTTGATGGGGTCCCGAGTTCAACGCCCTCCCTGCCAAGGCGGGGAGACCCATC
CCTGGAAGAGATCCAGAAGAACTAGAAGCGGCTGAGGAGCGAAGGAAGTACCAGGAAGCGGAGCTCCTG
AAACACCTAGCAGAGAAACGGGAACATGAGAGAGAGGTGATCCAAAAGGCCATTGAGGAAAAACAACAACT
TCATCAAGATGGCTAAGGAAAACTGGCCAGAAAGATGGAATCCAACAAGGAGAACAGGGAGGCCACCT
CGCCGCCATGTTGGAACGGCTGCAAGAGAAGGACAAGCACGCCGAGGAGGTGCGGAAAAACAAGGAGCTG
AAGGAAGAGGCCTCCAGG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC203952 protein sequence
 Red=Cloning site Green=Tags(s)

MTLAAAYKEKMKELPLVSLFCSCFLADPLNKSSYK YEGWCGRQCRKDESQRKDSADWRERRAQADTVDLN
 WCVISDMEVIELNKCTSGQSFEVILKPPSFDGVPEFNASLPRRRDPSLEEIQKKLEAAEERRKYQEALL
 KHLAEKREHEREVIQKAI EENNF IKMAKEKLAQKME SNKENREAHLAAMLERLQEKDKHAEV RKNKEL
 KEEASR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6087_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_030795

ORF Size: 648 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_030795.4](#)

RefSeq Size: 2352 bp

RefSeq ORF: 651 bp

Locus ID: 81551

UniProt ID: [Q9H169](#)

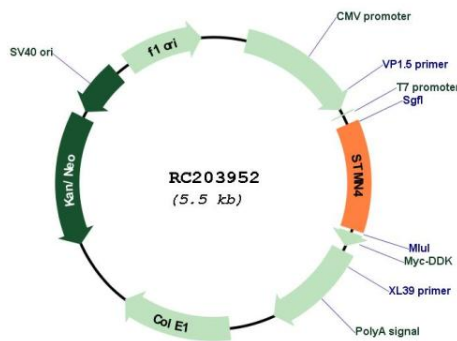
Cytogenetics: 8p21.2

Domains: Stathmin

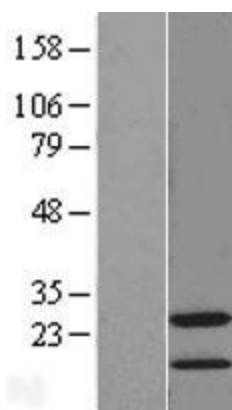
MW: 25.4 kDa

Gene Summary: Exhibits microtubule-destabilizing activity.[UniProtKB/Swiss-Prot Function]

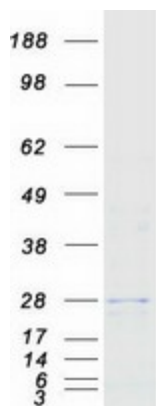
Product images:



Circular map for RC203952



Western blot validation of overexpression lysate (Cat# [LY410717]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203952 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified STMN4 protein (Cat# [TP303952]). The protein was produced from HEK293T cells transfected with STMN4 cDNA clone (Cat# RC203952) using MegaTran 2.0 (Cat# [TT210002]).