

Product datasheet for MR201537

Stmn4 (BC014707) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Stmn4 (BC014707) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Stmn4
Synonyms: RB3, Lagl
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201537 representing BC014707
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACTCTTGAGCCTATAAGGAGAAGTGAAGGAAGTCCCACTAGTGTCTCTGTTCTGCTCTTGCCTTCT
 TGTCTGATCCCCTGAATAAATCATCCTACAATATGAAGCAGATACAGTAGACCTCAACTGGTGCAT
 CTCTGATATGGAAGTCATCGAGCTGAACAAGTGCACCTCGGGCCAGTCTTTGAAGTCATTTGAAGCCA
 CCTTCTTTGACGGGGTGCCTGAGTTAATGCCTCCCTCCAAGACGGCGAGACCCATCATTAGAAGAGA
 TTCAGAAGAAGCTAGAAGCAGCAGAGGAGCGAAGGAAGTACCAGGAAGCTGAAGTCTGAAACACCTCGC
 GGAGAAACGAGAGCACGAGCGAGAGGTGATCCAGAAAGCTATCGAAGAAAACAATAACTTCATCAAGATG
 GCAAAAGAGAAGCTGGCCAGAAGATGGAGTCCAATAAGGAGAACCAGGAGGCCATCTGGCTGCCATGT
 TGGAGCGGCTGCAAGAGAAGGAGCCGCTGCTGCGCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201537 representing BC014707
 Red=Cloning site Green=Tags(s)

MTLAAAYKEKMKELPLVSLFCSCFLSDPLNKSSYKYEADTVDLNWCVISDMEVIELNKCTSGQSFEVILKP
 PSFDGVPEFNASLPRRRDPSLEEIQKKLEAAEERRKYQEAE LLKHLAEKREHEREVIQKAI EENNF IKM
 AKEKLAQKME SNKENREAHLAAMLERLQEKEPPAAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:

ACCN: BC014707

ORF Size: 528 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: [BC014707.1](#)
RefSeq Size: 1295 bp

RefSeq ORF: 530 bp

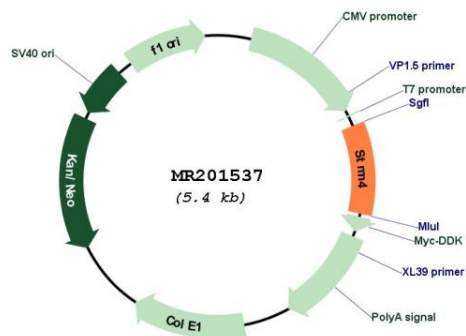
Locus ID: 56471

Cytogenetics: 14 D1

MW: 47.4 kDa

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

Product images:



Circular map for MR201537