

Product datasheet for **MR213853**

Fam168b (NM_001160235) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam168b (NM_001160235) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fam168b
Synonyms: Mani; mKIAA4042
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR213853 representing NM_001160235
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATCTGTTTATAGCCCTGGGTCTTCTGGCGTTCCCTATGCAAATGCCAAAGGAATTGGATATCCAG
CTGGTTTTCTGTGGGCTATGCAGCAGCACCTGCCTATTCTCCTAACATGTACCCTGGAGCGAATCTAC
CTTCCAAACAGTCTGGAGATTGAACCCAGGGTCTTGACATGTTAGGCTACACTCTGGCACACCTTAC
AAAGTGTCTGTTCCCAACCAGCGGAGCTGTTCCACCATACTCCTTCCCCCAATCCTTACCAGACGG
CTGTGTACCCAGTGAGAAGTGCCTACCCCCAGCAGAGTCCATACGCCAGCAAGGCACGTAACACACA
ACCTCTGTATGCAGCACCTCCTCACGTCATTACCACACCCACGGTGGTGCAGCCCAATGGCATGCCAGCA
ACAGTCTACCCTGCTCCCATCCCTCCTCTAGAGGCAGCGGGTACCATGGGCATGGTTGCTGGGACCA
CGATGGCCATGTCAGCAGGTAATCTGCTGACTGCTCATTCTCCAATCCTGTAGCCCTCACCCGGTCA
TGTCGCCACATACCGAGCCCCAGGAACCCACCTACAGCTATGTGCCCCACAGTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR213853 representing NM_001160235
Red=Cloning site Green=Tags(s)

MNPVYSPGSSGVPYANAKGIGYPAGFPVGYAAAPAYSPNMYPGANPTFQTVLEIEPRVLHMLGYTPGTPY
KVSCSPTSGAVPPYSSSPNPYQTAVYPVRSAYPQQSPYAQQGYTYTQPLYAAPPHVIHHTTVVQPNGMPA
TVYPAPIPPRGSVMTGMVAGTTMAMSAGTLLTAHSPTPVAPHPVTPTYRAPGTPTYSYVPPQW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

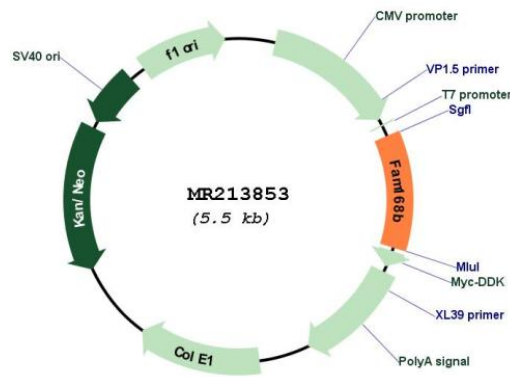
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001160235

ORF Size: 618 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_001160235.1](#), [NP_001153707.1](#)

RefSeq Size: 5076 bp

RefSeq ORF: 621 bp

Locus ID: 214469

UniProt ID: [Q80XQ8](#)

Cytogenetics: 1 B

MW: 22.1 kDa

Gene Summary: Inhibitor of neuronal axonal outgrowth. Acts as a negative regulator of CDC42 and STAT3 and a positive regulator of STMN2. Positive regulator of CDC27.[UniProtKB/Swiss-Prot Function]