

Product datasheet for **MG201885**

Fam168b (NM_174997) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: Fam168b
Synonyms: Mani; mKIAA4042
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG201885 representing NM_174997
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAATCCTGTTTATAGCCCTGGGTCTTCTGGCGTTCCCTATGCAAATGCCAAAGGAATTGGATATCCAG
CTGTTTTCTGTGGGCTATGCAGCAGCACCTGCCTATTCTCCTAACATGTACCCTGGAGCGAATCCTAC
CTTCCAAACAGGCTACACTCCTGGCACACCTTACAAAGTGTCTGTTCCCAACCAGCGGAGCTGTTCCA
CCATACTCCTTCCCCAATCCTTACCAGACGGCTGTGTACCCAGTGAGAAGTGCCTACCCCCAGCAGA
GTCCATACGCCAGCAAGGCACGTAACACACAACCTCTGTATGCAGCACCTCCTCAGTCATTCACCA
CACCACGGTGGTGCAGCCCAATGGCATGCCAGCAACAGTCTACCCTGCTCCCATCCCTCCTCTAGAGGC
AGCGGGTCAACATGGGCATGGTGTGGGACCACGATGGCCATGTCAGCAGGACTCTGCTGACTGCTC
ATTCTCCAACCTGTAGCCCCTCACCCTGCTACTGTCCCAACATACCGAGCCCAGGAACCCACCTA
CAGCTATGTGCCCCACAGTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201885 representing NM_174997
Red=Cloning site Green=Tags(s)

MNPVYSPGSSGVPYANAKIGYPAGFPVGYAAAPAYSPNMYPGANPTFTQGYTPGTPYKVCSPSTSGAVP
PYSSPNPYQTAVYPVRSAYPQQSPYAQQGTYYTQPLYAAPPVHHTTVVQPNGMPATVYPAPIPPPRG
SGVTMGVAGTTMAMSAGTLLTAHSPTPVAPHPVTVPTYRAPGTPTYSYVPPQW

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_174997

ORF Size: 582 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_174997.2](#)

RefSeq Size: 4955 bp

RefSeq ORF: 585 bp

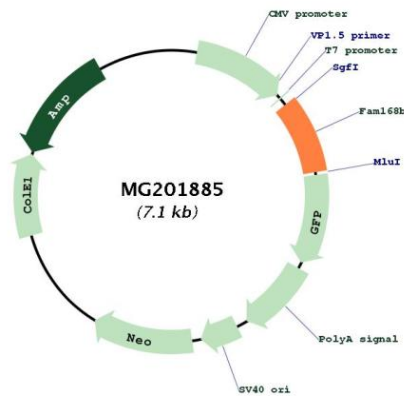
Locus ID: 214469

UniProt ID: [Q80XQ8](#)

Cytogenetics: 1 B

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]

Product images:



Circular map for MG201885