

## Product datasheet for **RR216005**

### Fam168b (NM\_001271134) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fam168b (NM\_001271134) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fam168b  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216005 representing NM\_001271134  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAATCCTGTTTATAGCCCTGGGTCTTCTGGGGTTCCTATGCAAATGCCAAAGGAATTGGATATCCAG  
CTGGTTTCCCTGTGGCTATGCAGCAGCTCCTGCCTATTCTCCTAACATGTACCCCTGGAGCGAACCCCTAC  
CTTCCAAACAGGTTACTACTCCTGGCACACCTTACAAAGTGTCTGTTCCCAACCAGTGGGGCTGTGCCG  
CCATACTCCTCCTCCCCAATCCTTACCAGACGGCTGTGTACCCAGTGAGAAGTGCCATATCCCCAGCAGA  
GCCCATACGCCAGCAAGGCACGTAACACACAACTCTGTATGCAGCACCTCCTCACGTCATTACCA  
CACCACAGTGGTGCAGCCCAATGGCATGCCAGCGACCGTCTACCTGCTCCCATCCCTCCTCTAGAGGC  
AGCGGGGTACCATGGGCATGGTTGCTGGGACCACAATGGCCATGTGAGCAGGTACCCTGCTGACTGCTC  
ATTCTCCAACCTCTGTAGCCCTCACCCAGTCACTGTCCACATACCGAGCCCCAGGAACCCACCTA  
CAGCTATGTGCCCGCAGTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR216005 representing NM\_001271134  
Red=Cloning site Green=Tags(s)

MNPVYSPGSSGVPYANAKGIGYPAGFPVGYAAAPAYSPNMYPGANPTFQTGYTPGTPYKVCSPSTSGAVP  
PYSSSPNPYQTAVYPVRSAYPQQSPYAQQGTYYTQPLYAAPPVHIHHTTVVQPNGMPATVYPAPIPPPRG  
SGVTMGMVAGTMMAMSAGTLLTAHSPTPVAPHPVTVPTYRAPGTPTYSYVPPQW

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:** Sgfl-Mlul

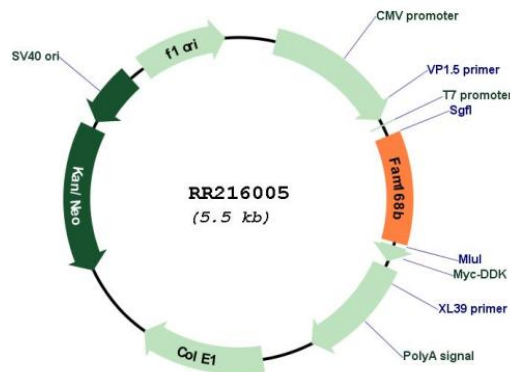


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001271134

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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001271134.1, NP_001258063.1</u>
<b>RefSeq Size:</b>	4034 bp
<b>RefSeq ORF:</b>	585 bp
<b>Locus ID:</b>	690188
<b>UniProt ID:</b>	<u>D4AEP3</u>
<b>Cytogenetics:</b>	9q21
<b>MW:</b>	20.2 kDa
<b>Gene Summary:</b>	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]