

Product datasheet for **MR209188**

Fam161b (NM_172581) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Fam161b
Synonyms:	9330169D17; 9830169C18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR209188 representing NM_172581
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACTGTGGGAGGACTGCGGGAGGTCTGAGTGCGCCGAGTGGAGCCGTGAGATATTTCTCCCAAGT
 CGTCTCTCAGACACTGAGCCAGAAGATGAGCAGTTTGGAGAAGGGCTGGTTTTGCCAGAGCTGGCAA
 ACTCCATGAGTTCTCAGCCCGGAGGAGGACACAGATTCTACTTCCGACTCCACGGGGAGCTTTATAGA
 ACCCCACAGGTTCCGAAGCAGAGAGGCCGGTGGATGTATTGGAGTCTCTTCCAGTCTGATCCAGACA
 GTGATCTGAACGACGCTGAGGATGAGGAAGACTTGGAGAGCTTCTTCAAGACAAGAGCAGGGGAAGCC
 ACAGGTCCAGGACCTCCATCTCTTAGGCATGGCTCCATGAGGCGTGCAGCTCCATGACTAGCCTTCCC
 TCTGACATCCCAAGGCTCGGATCTGCCAACCTCAGACTCTGGGCTCCCTCCAGCACAGAAGTGT
 GCTCTTGGGCATCTTCCATCACCCTCCCTCAGCCATTCCGCATGACACTGCGTGAGGCCCGGAAGAAGGC
 CCAAGTGGTGGCTCACCTGCCTCTTTGAGCAGGAAAGGCTACAGGCCCAGAAGCAGGGCAGGAAGAG
 GCGGAGTGCCATCGGCAGTTCGCGGCCAGCCTGTGCCGGCACACGTCTACCTGCCCTCTATCAGGAGA
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 GAGGAGAAGCTGAGCTTCTACAGACTGAGTTCGAATTCAGCCGAAGGTGAACCTGTGGTCCCTGACT
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 GGAGGGAAGAAGTCCCCTCAGCCAACAGCTACTCCCCTGCCAAGGAGTCTGTCTGAGTGGTCTCGCTT
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 GTCACCTGAAAAGAAGGACAAATCAGACATGAGCATTAGTGGTTGGAGGTGCACAAAAGAACTGTCAA
 GCCATGTCTAAATCAGTGACCTTGAGGGCCAAGGCCATGGATCCCGACAAAAGCTGGAAGAGGTGTTCA
 AAGCGAAGCTTAAAGAGAACCAGGCAATGACCGTAAAAGAGCAAGGAATATAAGAAAGAACTGGAGGA
 AATGAAGAAAAGATAACAACAAGGCCCTATCTTTGAACAAGTTACCAAGGCCCTCGCCAGGAAAGAA
 GCAGAAGAGCGCTATAGGGACGCCCTGAAGCAGGCCGCTGGAGGAGGAGTTGTGAGAACCAAGAGTC
 AAGGCACAGAGGCAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209188 representing NM_172581
 Red=Cloning site Green=Tags(s)

MTVGRTAGGPECAEWSREIFPPKSSSSDTEPEDEQFGEGLVLPRAKGLHEFLSPEEDTDSTSDSTGSFYR
 TPQVPKQGRWDVLESLFQSDPDSLDNDAEEDLESFFQDKSRGKPQVQDPPSLRHGSMRRCSSMTSLP
 SDIPKARILPTSDSGPPSQHRVCSWASSITVPQPFMTLREARKKAQWLASPASFEQERLQAQKQGEE
 AECHRFQRAQPVPAHVYLPYQEIMERREARRRAGIRKRKELLSLKPFSFLEKKEQKEDAPQRDSAA
 VAQTKVSPKKATSRKIPKSILEPALGDKLQEAELLRKIRIQMRAMDTLRMASSPVSTARNRAPRTAARTQ
 EEKLSFLQTEFEFQPKVNPVVPDYGLYKAFQKRAAERRETRETTRNKPFLRTANLSHTPRSCDAATAG
 GGKKSQPQTATPLPRSRSLGLASFANTLPVHITDATRKRESAVRMSLEKKDKSDMSIQWLEVHKNCQ
 AMSKSVTLRAKAMPDKSLEEVFKALKENRSNDRKRAKEYKKELEEMKKRIQTRPYLFEQVTKALARKE
 AEERYDALKQAGLEEEFVRTKSQGTAV

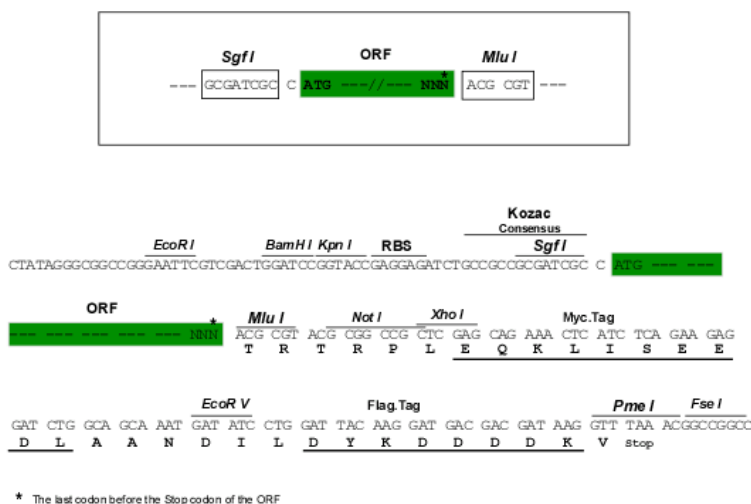
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9064_d06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_172581

ORF Size: 1767 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).

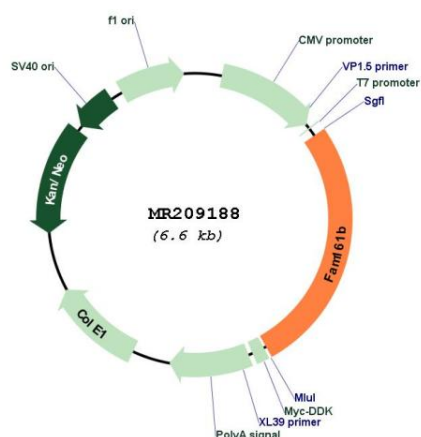
Reconstitution Method:

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 0.22µm filter is required.

RefSeq: NM_172581.3

RefSeq Size: 3357 bp
RefSeq ORF: 1770 bp
Locus ID: 217705
UniProt ID: [Q8CB59](#)
Cytogenetics: 12 D1
MW: 67 kDa

Product images:


Circular map for MR209188