

Product datasheet for **RR204067**

Fam189b (NM_001107690) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam189b (NM_001107690) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam189b
Synonyms:	RGD1306107
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR204067 representing NM_001107690
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCCCTCGCTAGTGACTCCAGTCGCTCGTGACCAGCCGCCAGTACCCGAGGCCCTTACCACC
 TCCGCCTCACCAGCCCTGGCTGCAGGCCCTGCTCACGTTGGGGCTGGCCAGGTGCTCTTGGGCATCCT
 GGTGGTAACCTTCAGCATGGTGGCTCCTCTGTACCACCACTGAGAGCATCAAGAGGTCCTGCCATCT
 TGGGCTGGGTTCTCGCTGGCTTCTCCGGTGGTTGGCATTGTATCCTGGAAGCGGCCATTCACTCTAG
 TGATCTCTTTCTCTCTTGTCTTCCGGTCTGTGTCTGTCAGCATGGCTGGTTCTGTCTCTCTCTG
 TAAGAACGCTCAGCTGGCTCGGGACTTCCGAGAATGCTCCATGGAAGGAAAGTCTGCGTATGCTGCCCC
 CCTATTCCTTACACAGACCTTGTCCAGAGTGGGGCCAGGAGCTGAAAGTTGCCTTAACTCCACCTGTG
 ATGAAGCCCGAGGGGCCCTCAAGAACCTGCTCTTCAGTGTCTGTGGGCTTACCATTTGTGCTGCCATCAT
 CTGTACCCTCTCTGCTATTGTCTGCTGTGTCCAGATCTTCTCCCTGGATCTGGTGCATGTGCTTGCCCT
 GAACGCTCAGTCTCAGGCCCTGGGGTCCCTGGCTTGTACATCTTCGCCCCAGCTCCTCTCTCCACA
 CCATGCTGGACTTGGAGGAATTCGTCCACCTGTGCCCCACCACCTACTACCCTCCAGAGTACTTGTG
 CAGTTCAGAGACAGATGCACAAAGCATCACCTATAATGGCTCCATGGATAGCCAGTACCCTTGTATCCT
 ACTGATTGCCCTTCTTATGAGGCCGTATGGGGCTGCGAAGAGACAGCCAGGCCACTCTGTTTGATC
 CTCAGTTCACGATGGCTCCTGTGTCTGTGAGCGGGTGCCTCCATTGTTGATGTGTCCATGGACAGTGG
 GTCCTGGTGTGTCAGCCATTGGCGACCTCCCTGGCGGCTCTAGCCATCAGAAGACTCATGCCTGCTG
 GAACTCCAAGGCTCTGTGCGCTCCGTGATTACGTGCTCTTCCGCTCCATCCAGCGCAGCCGCGCAGGCT
 ACTGCCTTAGCCTGGACTGCGGCCCTCCGGGTCCCTTTGAAGACAGTCCCTTGCCTCGGGACCCCCAG
 GGCTGCCCGCTCCTATTCTGCTCAGCTCCTGAAGCCCCACCCCACTGGGTGCTCCACAGCTGCTCGC
 AGTTGCCACCGGTTGGAGGGCTGGCCGCCCTGGGTGGGACCTTGCTTCCCGAGCTGAGGCGCGGGTCC
 CCCGAGGAGGCAGCCGTTCAACTGCACCCCTCCTGCCGAGCACCAGTTCGGCGCTTCACTGATAGCTC
 AGGTTCCCTCACCCACCCGGACACCGGCTCCTCACCGACACCCCTCCACCACTGCTGCTGCCAAGG
 TCTCACAGTGACCAGGCATTACCACCTCCAGCGACATCGCTGACTTCAGGGACCTTATACCAAAGTGC
 TTGAGGAAGAAGCTGCCTCCATCTCTCTGCAGACACAGGGCTCTGCTCTGAAGCCTGCCTTTCCGCT
 AGCCCGCTGCCCTCCCCAAGTTGCTACGTGCTCACTCAGCTGAGAAACGCCCCAGTCCCACCTTC
 CAGAAGGTTCTCTGCCTCAGGTCCTGCACCTGCCACTCTCTAGGAGACCTGAAAGGAAGCTGGCCAG
 GCCGGGGCTGGTCACTCGTTTCCCTCCAGCTGTCTAGGAAGTCCCAGACCCTGCAGGAAGTGGAGCCCA
 CGGACATAAGCAAGTGGCAGGAGCCATGGGGACGACCAGGTCCGGGAGAGCCTCCACCTTCGCAGCTGT
 GGTGATTTGAGCTCTGGCTCCTCTTAAGGCGACTCCTGTCTGCCCGCAGGCTGGAGCATGGCATAACGCC
 CACACAGCCTCAGCCTCAATGGAGGCAGCCGGGAGACCGGGCTC

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204067 representing NM_001107690
Red=Cloning site Green=Tags(s)

MMPSPDSSRSLTSRPSTRGLTHLRLHRPWLQALLTLGLAQVLLGILVVTFSMVASSVTTTESIKRSCPS
WAGFSLAFSGLVGIVSWKRPFTLVISFFSLLSVLCVMLSMAGSVLSCKNAQLARDFRECSMEGKVCVCCP
PIPLHRPCPEWGQELKVAFNSTCDEARGALKNLLFSVCGLTICAAICTLSAIVCCVQIFSLDLVHVLAP
ERSVSGPLGSLACTSSPPAPLLHTMLDLEEFVPPVPPPPYPPPEYTCSSSETDAQSITYNGSMDSPVPLY
TDCPPSYEAVMGLRRDSQATLFDPLQHDGSCVCRVPSIVDVSMDSGSLVLSAIGDLPGGSPSEDSCLL
ELQGSVRSVDYVLFRSIQRSRAGYCLSLDCGLRPFEDSPLPRRPPRAARSYSCSAPEAPPLGAPTAAR
SCHRLEGWPPWVGPCFPELRRRVPRGSRSTAPPPARAPVRRFSDSSGSLTPPGHRPPHRTPPPLLLPR
SHSDPGITSSDIADFRDLYTKVLEEEAASISSADTGLCSEACFLARCPSPKLLRAHSAEKRRPVPTF
QKVPLPSGPAPAHSLGDLKGSWPGRGLVTRFLQLSRKSPDPAGTGAHGKQVRRSPWGRPGRESLHLRSC
GDLSSGSLRRLLSARRLEHGIRPHSLSLNGGSRETGL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001107690

ORF Size: 2004 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_001107690.1](#), [NP_001101160.1](#)

RefSeq Size: 3053 bp

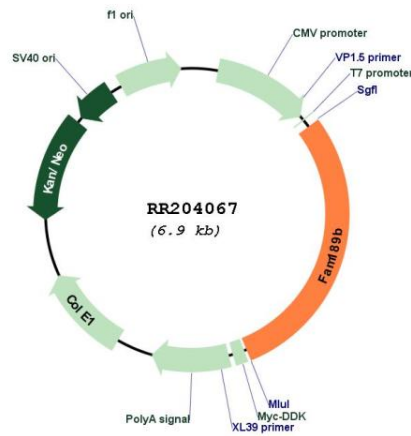
RefSeq ORF: 2007 bp

Locus ID: 310640

Cytogenetics: 2q34

MW: 71.8 kDa

Product images:



Circular map for RR204067