

Product datasheet for **RR217159**

Fam160b2 (NM_001170474) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam160b2 (NM_001170474) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fam160b2
Synonyms:	Rai16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR217159 representing NM_001170474
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCTGAGCCGGCTCGGGCACTGCTGCAGGAGCCGTGGGGCGCGGGAGCCAGCATTGACCTGCTGC
 AGGCCTTCGTAGAGCATTGGAAAAGGCATCACACTACTATATCGAGAGCACAGATGAAAACACCCAGC
 CAAGAAAACAGATATCCCTGGCGACTGAAGCAGATGTTGGACATCCTGGTGTATGAGGAGAAGCAGCAG
 GCATCCTCTGGTGAAGCTGGACCCTGTCTGGAATACTTGTACAACAAGATCCTGGAGACCCTGTGCA
 CTCTGGGCAAAGCGGAGTATCCCCAGGCATGCGGCAGCAGGTATTCCAGTTCTTCAGCAAGGCTCTGGC
 CCAGGTGCAGCACCCCTGCTACACTACCTGAGTGTCCACAGACCCGTGCAGAACTTCTCCGACTTGA
 GGAACAGCCCCTGGATCCCTCACGAAAAGGAAGAAGTTCAGTTCACCAGTGTCTTTGCTCTAAGATAC
 AGCAGGATCCAGAGCTGTGGCCTACATCTGGAAGGTAAGAAAGATGATAGGTAAGAAGAAGACAGCCAG
 AGGGTCTGCAGCTCCACCTAAAGACATAGCCGGCTACAGGGACAAGGACTGTCCACAGCGATGTCCC
 AGTGGGGATCCTGGACTAGATAAGGAATACCATGGTGTCCAGCCTTGAGCGTCCACCTGCCTGCTGTA
 CTGAGGGGCCAGAAAGTGGGCCCGGGAGAGCAATCTCATCACCTCCCTGCTTGGGCTGTGCAAGAGCAA
 GAAGAGTCGACTGGCCCTGAAGGCACAGGAGAACATATTGCTGTGGTAAGCCTGGCCTCACAGCAGCT
 GCCACCTACCTGACACAAAGTACCTCCTGTTGTACGGCGATAGCTGAGCACCTTTGCCAAGTGTACCGGT
 CCATGCCAGCCTGCCTTGACCCAGCAGACATTGCCACTTAGAGGGCATCAGTTGGAGGTTACCAAGTGC
 CCCATCTGATGAAACCGCTTCCCTGGCAAGGAGGCTCTGGTGCCTTCTGGGCTGGTTGATTACTGC
 GACCACCTTATCACAGAGGCACACACGGTGGTTGCAGATGCCTTGGAAGGGCCGTGGCTGAGAAGCTGT
 TTGTAGAGACCCTGCAGCCCCAGCTCCTGCACGTGTCTGAGCAGAGCATCTTAACCTCCACTGCCCTGTT
 GACAGTCTGCTCCGTACGCTGCGCTCCCTGCTCTGCTGCAGGAGGCCATGACCTTCTCTTAGGCACT
 GACCAGCAGCCTGCATCCAAGGAGGACAGTTCACATACTCTGGGCACACACCTCATCATGCACTGTGACC
 ATCTCTCTGACGAGATCAGCATTGCCACTCTGAGGCTGTTTGGAGAGCTGCTGCAGAAAACCCATGAGCG
 AGCCATCCGCAGTTTGGTTCTGCAGAACCTTGAGGGCCGCCTGTATGTGGCCCGGGGCTCGCCAGAGCCA
 GAGAGCTATGAGGATAACCTGGATCTGGAGGAAGACCCCTACTTCACCGATGGCTTCTTGATTCTGGCC
 TTCAACCCTCCACAAAGCCTCCCCAGCTCCTGCCACCAGTTCAGATGGCAAACAGCAGTGACGGAGAT
 TGTTAACAGCTTCTTTGCCTGGTCCCTGAGGAAGCCAAGACATCAGCCTTCTGGAGGAGAATGGATAT
 GACACATATGTCCACGATGCCTACGGCCTGTTCCAGGAATGCAGCTCCCCTGTGGCCACTGGGGTTGGC
 CCCTGGGTCCAGCACCTTGACTCTCATGAGCCTGAAAGGCCCTTCTTTGAGGGCCGCTTCTCCAAGT
 GCTCTTCGATCGAATTGCCCGGATTTTGGACCAGCCTTACAGCCTGAACCTACAAGTGACCTCAGTCTGT
 TCCCGGCTCGCCCTGTTCCCCACCCCATATCCATGAGTACCTCCTGGATCCCTACATCAGCCTGGCCC
 CTGGCTGCAGGAGCCTGTTCTCTGTGCTTGTGAGGGTGTGCGGTGACTTAATGCAAAGAATTGAGAGGT
 ACCCCAGTTTTGAGGCAAAGTCTCCTGGTGCAGCAAGCAACTGATGGGCCAGATTCCCGGAGAGCATCTG
 GACCATCAGACCCTACTCCAGGGCGTGGTAGTTCTTGAGGAATCTGCAAGGAGCTGGCTGCCATTGCGT
 TTGTCAAGTTTCCCCACATGGTCTTACCTGAACCTTCTCCACCTCCAGAAGGGCAAGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217159 representing NM_001170474
Red=Cloning site Green=Tags(s)

MLSRLGALLQEAVGAREPSIDLLQAFVEHWKGITHYYIESTDENTPAKKTIPWRLKQMLDILVYEEKQQ
 ASSGEAGPCLEYLLQHKILETLCTLGKAEYPPGMRQQVQFFSKVLAQVQHPLHLYLSVHRPVQKLLRLG
 GTAPGSLTEKEEVQFTSVLCSKIQDPELLAYILEGKKMIGKKKTARGSAAPPKDIAGYRDKDCPHSDAP
 SGGPGLDKEYHGVPAHSVHLPVTEGPESGPESNLITSLGLCKSKKSRLALKAQENILLVSLASPAA
 ATYL TQSTSCCTAIAEHL CQLYRSMPACLDPADIATLEGISWRLP SAPSDETAFFGKEALAAFLGWFDYC
 DHLITEAHTVVADALARAVAEKLFVETLQPQLLHVSEQSILTSTALLTVLLRQLRSPALLQEAMTFLGT
 DQQPASKEDSSHTLGTHLIMHCDHLSDEISIALTLRLEFELLQKPHERAIRSLVLQNLEGRLYVARGSP
 ESYEDNLDLEEDPYFTDGF DSGLQPSTKPPAPATSSDGKTAVTEIVNSFLCLVPEEAKTSAFLEENY
 DTYVHDAYGLFQECSSRAHWGWPLGPAPLDSHEPERPFFEGRFLQVLFDRIRILDQPYSLNLQVTSVL
 SRLALFPHPIHEYLLDPYISLAPGCRSLF SVLVRVIGDLMQRIQRVPQFSGKLLLVRKQLMGQIPGEHL
 DHQTL LQG VVVLEEFCKELAAIAFVKFPPHGPYLNFSPPPEGQV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001170474

ORF Size: 2232 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_001170474.1](#), [NP_001163945.1](#)

RefSeq Size: 3902 bp

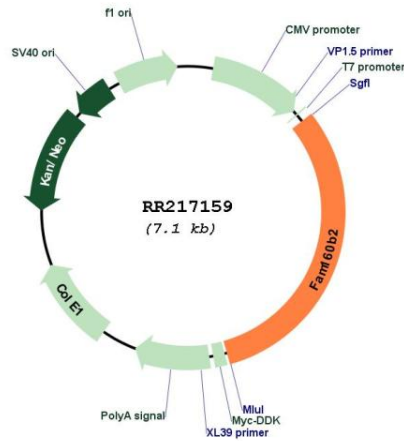
RefSeq ORF: 2235 bp

Locus ID: 306015

Cytogenetics: 15p11

MW: 82.3 kDa

Product images:



Circular map for RR217159