

Product datasheet for **MC221259**

Fam160b2 (NM_194345) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam160b2 (NM_194345) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fam160b2
Synonyms:	G430067P06Rik; Rai16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221259 representing NM_194345
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCTGAGCCGGCTCGGGCACTGCTGCAGGAGCCGTGGGGCGCGGGAGCCAGCATTGACCTGCTGC
 AGGCCTTCGTGGAACATTGGAAAGGCATCACACACTACTATATCGAGAGCACAGATGAAAACACCCAGC
 CAAGAAAACAGATATCCCTGGCGACTGAAGCAGATGTTGGACATCCTGGTGTATGAGGAGAAGCAGCAG
 GCATCCTCTGGTGAAGCTGGACCCTGTCTGGAATACTTGTACAACAAGATCCTGGAGACCCTGTGCA
 CTCTGGGCAAAGCGGAGTACCCCCAGGCATGCGACAACAGGTGTTCCAGTTCTTCAGCAAGGTCTGAG
 CCAGGTGCAGCACCCACTGCTGCACTACCTGAGTGTGCACAGGCCTGTGCAGAACTTCTCCGACTTGA
 GGGACAGTCCCTGGATCCCTCACAGAAAAGGAAGAAGTTCAGTTCACCAGTGTCTCTGCTAAGATAC
 AGCAGGATCCAGAGCTGTGGCCTATATTCTAGAGGGTAAAAAATTATAGGTAAGAAGAAAACAGCCAG
 AGAGTCTACAGCTCCGCCTAAAGACATAGCTGGCTACAGGGACAAGGACTGTCCCCACAGTGATGCTCTC
 AACAGGGATCCTGGACTGGATAAGGAGCACTGTGGTGTCCAGCACTGAGCATCCACCTGCCCGCTGAGA
 CTGAGGGGCCAGAAAACGGCCCTGGGGAGAGCAATCTTATCACCTCCCTGCTGGGACTGTGCAAGAGCAA
 GAAGAGTCGGCTGGCCCTGAAGGCACAGGAGAACAATACTGCTGTGGTAAGCGTGGCCCTACCAGCAGCT
 GCCACCTACCTGACACAGAGTACCTCCTGCTGTATGGCGATAGCTGAGCACCTCTGCCAAGTGTACCGGT
 CCATGCCAGCCTGCCTTGACCCAGCAGACATTGCCACTTAGAGGGCATCAGCTGGAGGTTACCCAGTGC
 CCCATCTGATGAGACCGCTTCCCTGGCAAGGAGGCTCTGGTGCCTTCTGGGCTGGTTGATTACTGT
 GACCACCTCATCACAGAGGCACACACGGTGGTTGCAGATGCCTTGGCAAAGGCTGTGGCTGAGAAGCTGT
 TTGTAGAGACCTGCAGCCCCAGCTCCTGCATGTATCTGAGCAGAGCATCCTGACCTCCACTGCCCTGCT
 GACAGCCTTGCTGCGTCACTGCGCTCCCTGCCTGCACTGCTGCAGGAGGCCATGACCTTCTCTTAGGCACT
 GACCAGCATCCTGCAGCCATAGAGGACAGCCCCATACTCTGGGTACACACCTCATCATGCACTGTGACC
 ATCTCTCAGACGAGATCAGCATTGCCACGCTGAGGCTATTTGAGGAGCTGCTGCAGAAGCCCATGAGCA
 GGCCATCCGCAGTCTGGTCTGCAGAACCTCGAGGGCCGCTGTACGTGGCCCGGGGCTCGCCGGAGCCG
 GAGAGCTATGAGGATACCTAGATCTGGAGGAAGACCCCTACTTCACCGATGGCTTCTCGATTCTGGCC
 TTCAGCCCTCCACAAAGCCTCCCCAGCTCCCGCCACCAGTTCGGATGGCAAACAGCAGTGACGGAGAT
 TGTTAACAGCTTCTTTGCCTGGTCCCTGAGGAAGCCAAGACATCAGCCTTCTGGAGGAGAATGGATAT
 GACACATACGTGCAGATGCCTACGGCTTGTCCAGGAGTGCAGCTCCCGTGTGGCCACTGGGGTTGGC
 CCCTAGGCCAGCGCCCTTGGACTCTCATGAGCCTGAAAGGCCTTCTTTGAGGGTGCCTTCTCCAAGT
 GCTCTTTGATCGAATCGCCCGGATTTTGGATCAGCCGTACAGCCTGAACCTACAAGTGACCTCAGCTTG
 TCCCGGCTCGCCTTGTCCCCACCCCATATCCATGAGTACCTCCTGGATCCCTACATCAGCCTGGCC
 CTGGCTGCAGGAGCCTGTCTCTGTGCTTGTGAGGGTGTACGGTACTTAATGCAAAGAATTGAGAGGGT
 ACCCCAGTTTTCGGGCAAAGTCTCCTGGTACGCAAGCAACTGATGGCCAGGTTCCCGGAGAGCATCTG
 GACCATCAGACCTACTCCAGGGTGTGGTAGTACTTGAGGAATTCTGCAAGGAGCTGGCTGCCATTGCGT
 TTGTCAAGTTTCCCCACAGGTCCTTACCTGAACCTCTCCACCTCCAGAAGGGCAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_194345

Insert Size: 2235 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<ol style="list-style-type: none">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:	<u>NM_194345.1</u> , <u>NP_919326.1</u>
RefSeq Size:	4051 bp
RefSeq ORF:	2235 bp
Locus ID:	239170
UniProt ID:	<u>Q80YR2</u>
Cytogenetics:	14 D2
Gene Summary:	Able to activate MAPK/ERK and TGFB signaling pathways (By similarity). May regulate the activity of genes involved in intestinal barrier function and immunoprotective inflammation (PubMed:31862898). May play a role in cell proliferation (By similarity).[UniProtKB/Swiss-Prot Function]