

Product datasheet for **MC223216**

Fam83b (NM_001045518) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam83b (NM_001045518) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fam83b
Synonyms: C530008M07Rik; Gm516
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223216 representing NM_001045518
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCTTCATCAATGCTTTCATCACTAAATGATGAGTGCCGATCTGACAACATGTGCGAGCCGCACT
ACAAGGAGTGGTATCGCGTGGCAGTTGATACTCTAATTGAACATGGGTTAGAAGCCTACCAAGAGTTTCT
CATCAAGGAGCGAGTTTCAGACTTCTGGCAGAGGAAGAGATTAATTATATTTTGAAAAATGTCCAGAAG
ATTGCACAAAATACAGAACATGGTCTGATAGTTCCTGTGATGACGGCTCGTCTTCAGGGACTTACTGGC
CCATGCAGTCTGATGTGGAGGCTCCAAATCTTGATCTAGGCTGGCCATACGTGATGCCCGGACTCTTAGG
GAGTACCCACATAGACCTCCTCTTTCACCCACCAAGGGCACATCTGCTTACAATAAAGGAAAATATTTCGG
AAGATGATCAAAGAAGCGAGAAAGGTGGTTGCTATAGTGTGATGGATGTGTTTACTGATGTGGATATTTTCA
AAGAAATAGTAGAGGCATCAACACGAGGAATATCTGTGTACATTCTACTTGATGAGTCCAATTTTAGTCA
TTTTCTAACATGACTGAAAAACAGGGTGTCAAATCAACGCTCTCAGGAACATTCGCATACGGACAGTA
AAAGTCAAGATTATCTTTCAAAAACAGGAGCAAAATCCACGGAAAAATGGAACAGAAATTTTGTCTAG
TTGACTGCCAGAAAGTGATGTATGGGCTTACAGTTACATGTGGTCATTTGAGAAAGCTCATCTCAGCAT
GGTTCAGATAATCACAGGCCACCTCGTAGAGTTATTTGATGAAGAATTTGAAACACTCTATGCTAGGTCC
TCTGTCCCAAGTTCTTTTGTCTCAGGAAGAATCGGTGAGGGCAAAGCCAGGCAAAGCCTTGTGGGAGAATG
GCATTTACCAGCGATCCATTTCTTATTAGCTTCCGTTTCCAGCCAGAGAAAACCTTTTGGCAGACAAGA
CCAAATTCATAAACTAGATTCTAGTTACTTCAAAGGCAGAGGGATATATCCTCTAAATGATCAGGACAAA
CACAGCATGAGAAACCATGGCTACAAAACCTCATTTTGTCCAACTTCAATGGTCCAAGTACAATCCGCC
ACTTCCAACCCAGTCAGCTCAATGAAAACCTGGAAGAGGCATAGCTATGCTGGGGAACAACCGGAAACAAC
ACCGTACCTGCTGCTCAACAGAGCTATGAATCGGACCAATAATGCTCCTGGACGCTGGCGAAGGCCCTTCA
GACAGTCTCAGTGTAGCATCCTCATTAAAGGGAGGACAAGGAAGCCAGCAAAACATACCAGCTCAGAGTT
TTGCTGATCGGCTTGCCAGAGAAAAACCAAAATCTTGCAAGAGGAATTCAAATGTACCGAGGTCAAT
TAACGGGACAGATAATCATATCCGCTTTATACAACAACGGATGCCAACTCTGGAGAATACCAGGAAGTCT
TTCTGCGGAGCTGGAGAATTGAATCGTACTTAAATGACAATTCAGAAGTCCACCTGATTCAAATGGTT



```

CCACCCTGGGTGACAGATTTGAAGGCTACGAAAACCTGAGGCCGTGAAAGCCAATGCACTCTATACTCA
CTCGAGGCTCCGCTCCTCGTTTGTGTTAAACCACTTTACCGGAACAAAAAGAAGTCAACAGCTGTACA
ACTGGCTCTTCAAATCCACCATCATCGGTTCTCAAGGAAGCGATACACCTAATGAGGTCCCAGATACCT
CCACAAATGCACCGCCCTTGACAGAAAAACCTTGCCTGAACCAAGCTCCAAGCTCCCAACAACAAGA
GGAACCAAAAAATGCACAACCTGCAGGTTCCCGAAAAGCAACCAGAAGCCTTAAACCAAGAACAATGGC
CGAGCAGAATTAACAACCTGTATCTATACAAACCTGTGTGTCAATAAGCAGAGGGAGAACAACAGAAAAATC
AGCAAAAATGACAATCTGCTCAAAGGCGCAGTTTCCCGTCTTTGACCACTCGAAGTCAATTTAGAGCA
TGGGAATAGCAAGAATTATGTTTATAGTACCCTTACCAGAAATCGGATTGACAACCAAGAAAAACCAAG
GAGGTTGTGCTGAAGAGCTCTAAAAGCATGCACAACGTGACCCACAGCGCAGAGGAAGATGATGACGAGG
TTATCGAGAGAGACCCTCCAAGTGCCTCTGCCACCAATCTATTTCCATTGCTGCTTTGCTTGATGTGAA
TAAGGAAGAACCAACAAAGAGCCTAATTCTAAAAAGGAAGGCAAGCCTCCCGAGTTTTTTGAAAAAG
GGGTCTCAGAAATTAAGGTCCTTACTTAGTCTCACCCAGAAAAGAGAGAAAGCCTAGCTAAAAACAAGG
CGCCCGCATTTTATAGAATGTGTAGTAGCTCTGACACTTTGGTTTCTGAGGGTGAAGAGAATCAAAAGCC
CAAAAAATCCGAACCCAAAGTTGATTCATCTCCAGAAGAAAGCGTTCTCTCGTCAAATCTCAAGGC
AGCATCCACAAGGCAAGGAGGACATAGCGGTTAGCGCCTCTCCAGGGATAAGTTCCAAGCTGAGGAAA
GTAGAAGAATAGCGCCTTCTCCGAGGCCGTTGAGAGGAGACTTCCGAGAGAGCGGGAGATGCCTCCGC
CCCAAGATTTAATACCGAACAGATCCAATACCGGGATTCCAAGGAGATGAGTCACTCATGACCCCTGCC
AGACGGCCAACACCTTCTCCGGTCTAAAGCCCAATGAGCTTCTAAGATCTATTCCACCAACCAGCGAG
TTTACAGTCGATTCGAGCCATTTTGAAGATTGAGAGCTCTATTAGCCAGCGAGCAGCGTTACAATAAC
ACATGTCAACCGCCAGAAGTCAAATCCTCAACCATGGGCACCGCTTATGGCAGGTCCAGCCCAATGTTG
AATTATAAGACTGGTGCTTATCATTATACGCCCCCAATGAAAACAAGTCCGGGGATTTATGCAAAAAGT
TCGGAACTTCATACAAAAACAAGTGA
    
```

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001045518
- Insert Size:** 3039 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:**
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_001045518.1](#), [NP_001038983.1](#)
- RefSeq Size:** 3136 bp
- RefSeq ORF:** 3039 bp

Locus ID: 208994

UniProt ID: [Q0VBM2](#)

Cytogenetics: 9 D

Gene Summary: Probable proto-oncogene that functions in the epidermal growth factor receptor/EGFR signaling pathway. May activate both the EGFR itself and downstream RAS/MAPK and PI3K/AKT/TOR signaling cascades.[UniProtKB/Swiss-Prot Function]