

## Product datasheet for **MC219255**

### Fam83d (NM\_027975) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Fam83d (NM_027975) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fam83d
Synonyms:	2310007D09Rik; BB104611
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219255 representing NM\_027975  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTGCTCGTTCGAGCTGTTGGACGACCTTCCCGCGCCTGCCTGTCTCCGTGCGGACCGCCCAACC  
 CCACGGAGCTGTTTCAGCGAGGCGCGGCTGCTGGCTCTCGAGCAGCTGCTGGCCGGTGGTCCCGACGCTG  
 GGCCGCTTCTTACGGCGTGAGCGGCTGGGCGCTTCTCAACGCCGACGAGGTGCGCGAGGTTCTGGGC  
 GCTGCCGAGCGGCCGGCGAGGATGGGCGCGGTAGCGGAGGACTCGTTCGGCTCCTCTCACGAATGCT  
 CGTCGGGCACCTACTTCCGGAGCAGTCGGACCTGGAACCGCGCGTGGAGCTCGGCTGGCCTTCTT  
 CTACCAGGGTGCCTACCGCGGTGCCACGCGTGTGAGGCTCATTCCAGCCCCGCGCGCGGGCGCCGGA  
 GGCCCGTATGGCTGCAAGGATGCGCTGCGCCAGCAGTTGCGCTCCGCCGAGAGGTGATTGCTGTGGTAA  
 TGGACGTTTTCTCAGACATCGACATCTCCGAGACCTGCAGGAGAGCTGTAGGAAGCGGGGGTGGCTGT  
 GTACATCCTCCTGGACCAGACTCTGCTCCCCACTTTTTGGACATGTGCATGGATCTGAGAGTTCATCCT  
 GAGCAGGAAAAGCTGATGACAGTTCCGACAATTACAGGAAATATCTACTATGCAAGGTGAGAAACAAAGG  
 TTGTCCGGGAAGGTTTCATGAGAAGTTCACACTGATTGACGGAATCCGGGTGGCAACAGGCTTTACAGTTT  
 TACCTGGACCGACGGCAAATTAACAGCAGTAACCTGGTAATTCTGTCTGGCCAAGTGGTTGAACACTTT  
 GATCTGGAGTTCGGATCCTGTATGCTCAGTCAGAGCCCATCAGCTCCAAACTCCTGTCCAACTTCAGA  
 TCAATAGCAAGTTTGACCATCTGGCTGACCGAAAGCCACAGTCGAAGGAGCCCACTGGCAATCTGCT  
 GCGAATGAGGCTGGCCAGGCTCTCAAGTACTCCAGGAAGAGCAACCTGGGCCAGAGGAGCCGCAAAA  
 ACAGAGCCAAACCAAGCGCCCTGACTCTGAGGCTTCTACCACAGCGATGAAGACTATTTCCACAGCC  
 ACAAGGACCAAGTACAGGATAGTAAAGTGGCTGATGCTGCTACCAACAGAGCCAGAGAAGAGATGGC  
 TGCAGTAAGCCTGAGTGAGGTGGGAACTCAGACTAGTTCCAGCATGATGTGTGTTGGACCCAAACCACA  
 GTTGTCACCAGGCGAGGCTCCAGGCCACAGTGTGGTCCAAGTCCACTACCACACAGACTGAAGCTG  
 ACGAGAGCTTCTTCTCAGGGTGGCCAGTCCAAAGAAGGGTACCGGCATCCAAGATGTCAGTGTGAG  
 GTCTTCCAGTGTGAGGTATCCTCTTCTGTGTCTTCCAGGGCTCGTGGCAAGCTCGGTGAGTCCCAT  
 GTCTCCCTGACGGCTGCTGATCTCCACTCCCGCATACCCCAAGTACCTGGGTCTGGGCACCCCGCATC  
 TGGATCTGTGCCTAAGGGACTCGTTCAGAACTTAAGTAAGGAGCGGCAGGTCCACTTACTGGCATCAG  
 GTCCCGGCTCACCCAGATGCTCACCGTGTCTCACGGAGAAGCTTTCACAGAGCACTACCTCAGTAC  
 AGCCCCGGGAGCTTACCAGAGCCTTACCAACCTGGTTCTGTGAGGGACATAGCCCTTACCCTCCCT  
 ATCAGTGA

AC**CGGCCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA  
 TTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-NotI

**ACCN:** NM\_027975

**Insert Size:** 1758 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\\_027975.2](#), [NP\\_082251.2](#)

**RefSeq Size:** 2280 bp

**RefSeq ORF:** 1758 bp

**Locus ID:** 71878

**UniProt ID:** [Q9D7I8](#)

**Cytogenetics:** 2 H1

**Gene Summary:** Probable proto-oncogene that regulates cell proliferation, growth, migration and epithelial to mesenchymal transition. Through the degradation of FBXW7, may act indirectly on the expression and downstream signaling of MTOR, JUN and MYC. May play also a role in cell proliferation through activation of the ERK1/ERK2 signaling cascade. May also be important for proper chromosome congression and alignment during mitosis through its interaction with KIF22.[UniProtKB/Swiss-Prot Function]