

Product datasheet for **MC223947**

Fam83h (NM_001168253) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam83h (NM_001168253) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fam83h
Synonyms:	AA409316
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223947 representing NM_001168253 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCCGTCGCTCCAGAGCAGCTCGCAGGGGACAACCCACTGGCACCTGGGTACCTGCCACCTCACT
ACAAAGAATATTACCGCTAGCGGTGGATGCATTGACTGAGGGTGGGCCAGAAGCCTACAACCGTTCTT
GGCATCTGAGGGGGCACCTGACTTCCTGTGCCCTGAGGAAGTGAACACGTGAGCCGCCACCTGCAGCCC
CCACAGTATGTGGCCCGGAACCCCTGAAGGCACCCATCTGATGTGGACATGGACGGGTCTCAGGCA
CCTACTGGCCAGTGAAGTCAAGCAGGCTGTGCCTGAGCTGGACCTGGGCTGGCCCTCACATTTGGCTT
CCAAGGCACAGAGGTACCCACACTGGTACAGCCGCCGCCACCTGACAGCCCCAGCATCAAAGATGAAGCT
CGGAGGATGATCCGCTCTGCCAGCAGGTGGTAGCTGTGGTGATGGACATGTTTACCGACGTGGATCTGC
TCAGTGAGGTGCTAGAGGCCGCTGCAAGGCGAGTCCCGGTCTACATTCTGCTGGATGAAATGAACGCCCA
GCACCTTCTAGACATGGCCGACAAGTGTGCGCTCAACCTGCATCATGTGGACTTCCTGCGTGTGCGACA
GTGGCAGGTCTACTTACTACTGCCGCACTGGGAAGTCTTTCAAGGGCCATCTAAAGGAGAAGTTCTTGC
TTGTGGACTGTGCCGTAGTGATGAGCGGCAGTTATAGCTTCATGTGGTCCTTCGAGAAAATCCACCGCAG
CCTGGCTCATGTGTTCCAGGGAGAGTTGGTCTCCAGCTTCGACGAAGAGTCCGCATCCTCTTCGCACAG
TCGGAGCCACTGGTGCCTCAGCCGGGGCGTAGCCGCATGGATGCCTATGCGTAGCTCCATACTCTG
GGGCTGGGCCCCCTGGTGGGCGTCCCGGGGTGGAGCACCAACACCTTTTTCTTTCCCTAAACGGGCGCA
CCTCCTATTCCCACCGCCAGGAAGAAGGCTGGGCTTCCCCTTTTCTTAGACCTGACCGCCACTTTC
CTGTGCGCTTTCGCCGAGAGGAGCTGCAGAGAATGCCTGGGGGTGCTTTGGAGCCTCACACAGGGCTCC
GGCCACTGGCGCGCCAACTGAGGCTGGGCCGTTTCGGAGAGCTCGCGGGCCCCGGGGCTTCTTCAGTC
AAGGCACCTGGAATGGATGCCTTCAAGCGCATAGCTACGCAACACCCGATGGAGCTGGAGCAGTGGAG
AACTTTGAGCGGCACGGCAGGTGTACGACAAACATTCTCAGTCACGGTGATGACTTCGGTTTCCAGA
CCAGCCACTTCAACGGGACCAGCTCTATCAGCAGCATTACCAGTGGGACCCACAGTTTGCTCCTGCGCG
CCCACAGGGCCTTTCGAGAAGCTTCGTGCAGGCCGACCTGGCTTTCGGAGCCCTGATGACTTTGCCTTA



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GGTGCTGGTCACCGCTTCCCAGAACTCGGTGCTGATGTGCACCAACGGCTGGAATACGTGCCATCCAGCG
CATCTCGGGAGGTACGCCACGGCTCGGATCCGGCCTTTGGACCCAGCCCCCGTGGTCTAGAGCCCAGTGG
AGCCTCGCGTCCCAATCTGGGCCAGCGTTTTCCATGCCAAGCAACCTTGAGACAAGGCCTGGACACCGCT
TCGGAGGCAGAACCTGAGCGCAGGGGCGGACCCGAGGGCCGGGCCGGGCTGCGTCACTGGCGCCTTGCT
CCTACCTGAGCGGCTGCCACGGTGACGGTGGGGAGGAGGTCTACCAATGGAGGCTGAGGCTTGTAAGA
CGAGGTGCTGGCTCCCGGAGGCCGGGACCTGCTCCCTCCGCCTTCCGCACTCTGCAGCCTTCCAGCT
AAGGGACCAAAGCCGGGCTCAGGAAGCGGTGGTGGTGACAGCTCCGAGCGAGAGGGCCAGAAGAGACAA
GCCTGGCTAAGCAGGACTCCTTCCGCTCTCGCTTGAACCCGCTCATCCAGCGCAGCTCCAGGTTGCGCTC
ATCACTCATCTTTGCGTCCCAGGCTGAGGGTGCTGTTGGGACCGCAGCAGCCACCACTGAAAAAGTACAG
CTGATGCACAAAGAACAACAGTCAGTGAACCTCTGGGTCCCAGCGGAGAGGCTGTTCTGTTCCAGCGCT
CGGCCAAAGTGGCGGAGCTCCTGGAGAAATACAAGGGCCCTGCCCGGACCTGGCGGTGCAGGAGGTGC
CGTCACTTCTCCAGCCACAGCAAGGCTGTAGTGTCCAGGCCTGGCGGGAGGAGGTGAGTACACAGGA
GGAGCGGGAAGTGAACGCCGCAGCCTTGAGAGTTGCTTGTGCTGACCTGCGCGATTCTTTGCCAGCAGT
TGCACAGGAGGAGAGCGACACCCAGGAGCCGCTTCTGCTCACTGCTGCGCAACTGCTCGACACCTGGG
CGGCACTGACCGCTGCCATCACGCTTCTCTCCGCCAGGGCCGCTCCTGTCTCCACAAGGTCGAGAT
AGCCCTCCGCCAGAAGGGCTTGGGACACACAGCTGCCTTATTCTGAGCCAAAGGAAACCCACCCAG
CTTACCCTGAGCGCAAGGGGAGCCCTACCCAGCTTACCCTGAGCGCAAGGGGAGCCCTACCCAGCTTA
CCCTGAGCGCAAGGGGAGCCCTACCCAGCTTACCCTGAGCGCAAGGGGAGTCTACCCAAGCCTACCCT
GAGCGCAAGGGGAGCCCCAGCTTGATTTCCCAATCGGAGGGGAGCCCAACACAGGATTGATGGAGC
AGAAGGGAAGTCCCACTTCAACCTACCCAGACCGCAGGGGAGTCCGGTGCCCCAGTGCCTGAGCGCAG
GGGTAGTCCAGTACCCCTGTGCCGAGCGCAGAGGCAGTCTCACTTTCGCTGGGAGTCTTGAAGACT
GGGCTACAGAGGAGGTGTCTAGTGGCCCATGGAAGTCTGCGAAAGGGTTCTCTCCGCTCAGGCAGC
TGCTGAGCCCCAAGAATGAGAGGCGTGGGAGGATGAGGGCAGCTTCCCACTCCGAGGAAAATGGGCA
GCCCAGAGCCCCCGGCGGCCCTCGCTGAGTCGGGGTGACAGCACAGAGGCTGCTGCAGAGGAGAGAGGC
TCGAGGGTCCGCTAGCTTCAGCTACAGCAATGCTCTGTACAGCAGCAATCTGCGAGATGACACTAAGG
CCATTCTGGAGCAAATTAGTGCCACGGCCAGAAGCACCGCGGGTCCCTGCTCCAGGTCCAGCCACAG
CAGTCTGACGTAGGTGCTCCAACAAGTGCAGGAGACTTGGCCCCAGACATGTCCGACAAGGACAAATGT
TCAGCTATCTCCGCTCAGACAGCCTAGGGACACAAGGCCGGCTCAGCCGACCCCTGCCTGGCAGTGCAG
AGGAGCGAGACCGGCTCCTTCCGCGCATGGAGAGCATGCGCAAAGAGAAGCGTGTCTACAGTCGCTTCGA
AGTCTTCTGCAAAAAGGACGAAGCTGGCAGTAGTGGGGCAGGAGACAATTGGCAGATGAGGACACCAAG
GACAGTAAATGGGCAAATTTGTCCCAAGATCCTGGGCACATTCAAAAGCAAAAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001168253

Insert Size:

3630 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001168253.1</u> , <u>NP_001161725.1</u>
RefSeq Size:	4545 bp
RefSeq ORF:	3630 bp
Locus ID:	105732
UniProt ID:	<u>Q148V8</u>
Cytogenetics:	15 D3
Gene Summary:	May play a major role in the structural organization and calcification of developing enamel. May play a role in keratin cytoskeleton disassembly by recruiting CSNK1A1 to keratin filaments. Thereby, it may regulate epithelial cell migration.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.