

## Product datasheet for **MC223946**

### Fam83h (NM\_134087) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fam83h (NM\_134087) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fam83h  
**Synonyms:** AA409316  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223946 representing NM\_134087  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCCCGTCGCTCCCAGAGCAGCTCGCAGGGGACAACCCACTGGCACCTGGGTACCTGCCACCTCACT  
ACAAGAATATTACCGCCTAGCGGTGGATGCATTGACTGAGGGTGGCCAGAAGCCTACAACCGTCTCTT  
GGCATCTGAGGGGACCTGACTTCTGTGCCCTGAGGAACCTGGAACACGTGAGCCGCCACTGCAGCCC  
CCACAGTATGTGGCCCGGAACCCCTGAAGGCACCCATCTGATGTGGACATGGACGGTCTCAGGCA  
CCTACTGGCCAGTGAACCTCAGACCAGGCTGTGCCTGAGCTGGACCTGGGCTGGCCCTCACATTTGGCTT  
CCAAGGCACAGAGGTCAACACTGGTACAGCCGCCACCTGCAGCCCAAGATCAAAGATGAAGCT  
CGGAGGATGATCCGCTCTGCCAGCAGGTGGTAGCTGTGGTGTGGACATGTTTACCGACGTGGATCTGC  
TCAGTGAGGTGCTAGAGGCCGCTGCAAGGCGAGTCCCGTCTACATTCTGCTGGATGAAATGAACGCCCA  
GCACTTCTAGACATGGCCGACAAGTGTGCGTCAACCTGCATCATGTGGACTTCTGCGTGTGCGCACA  
GTGGCAGTCTACTTACTACTGCCGACTGGGAAGTCTTCAAGGGCCATCAAAGGAGAAGTTCTTGC  
TTGTGGACTGTGCCGTAGTGATGAGCGCAGTTATAGCTTCATGTGGTCTTCGAGAAAATCCACCGCAG  
CCTGGCTCATGTGTTCCAGGGAGAGTTGGTCTCCAGCTTCGACGAAGAGTTCCGCATCCTCTTCGCACAG  
TCGGAGCCACTGGTGCCTCAGCCGGGGCGCTAGCCCGCATGGATGCCTATGCGCTAGCTCCATACTCTG  
GGGCTGGGCCCTGGTGGCGTCCCGGGTGGAGCACCAACACCTTTTTCTTTCCCTAAACGGGCGCA  
CCTCCTATTTCCACCGCCAGGGAAGAAGGCTGGGCTTCCCCTTTCTTAGACCCTGACCGCCACTTC  
CTGTGCGTTCGCGGAGAGGAGCTGCAGAGAATGCCTGGGGTGTCTTGGAGCCTCACACAGGGCTCC  
GGCCACTGGCGGCCAACTGAGGCTGGCCGTTTCGGAGACTCGGGGCCCCGGGCTTCTTCCAGTC  
AAGGCACCTGAAATGGATGCCTTCAAGCGCATAGCTACGCAACACCCGATGGAGCTGGAGCAGTGGAG  
AACTTTGCAGCGCACGCGAGGTGTACGACAAACATTCTCAGTCACGGTGATGACTTCCGTTTCCAGA  
CCAGCCACTTCCAACGGGACCAGCTCTATCAGCAGCATTACCAGTGGGACCCACAGTTTGCCTCGCGG  
CCCACAGGGCTTTCGAGAAGCTTCGTGCAGGCCGACCTGGCTTTCGGACCTGATGACTTTGCCTTA  
GGTGTGGTACCCTTCCAGAACTCGGTGCTGATGTGCACCAACGGCTGGAATACGTGCCATCCAGCG



CATCTCGGGAGGTACGCCACGGCTCGGATCCGGCCTTTGGACCCAGCCCCGTGGTCTAGAGCCCAGTGG  
 AGCCTCGCGTCCCAATCTGGGCCAGCGTTTTCCATGCCAAGCAACCTTGAGACAAGGCCTGGACCCGCT  
 TCGGAGGCAGAACCTGAGCGCAGGGGGACCCGAGGGCCGGGCCGGGCTGCGTCACTGGCGCCTTGCC  
 CCTACCTGAGCGGCTGCCACGGTGACGGTGGGGAGGAGGGTCTACCAATGGAGGCTGAGGCTTGTGAAGA  
 CGAGGTGCTGGCTCCCGGAGGCCGGGACCTGCTCCCTCCGCCTCCGCACTCTGCAGCCTTCCAGCT  
 AAGGGACCAAAGCCGGGCTCAGGAAGCGGTGGTGGTACAGCTCCGAGCGAGAGGGCCAGAAGAGACAA  
 GCCTGGCTAAGCAGGACTCCTTCCGCTCTCGCTTGAACCCGCTCATCCAGCCAGCTCCAGTTGCGCTC  
 ATCACTCATCTTTGCGTCCCAGGCTGAGGGTGTGTTGGGACCGCAGCAGCCACCACTGAAAAAGTACAG  
 CTGATGCACAAAGAACAACAGTCAGTGAACCTCTGGGTCCCAGCGGAGAGGCTGTTTCGTTCCAGCGCT  
 CGGCCAAAGTGGCGGAGCTCCTGGAGAAAATAAAGGGCCCTGCCGGGACCTGGCGGTGCAGGAGGTGC  
 CGTCACTTCTCCAGCCACAGCAAGGCTGTAGTGTCCCAGGCCTGGCGGGAGGAGTGGTGCACACAGGA  
 GGAGCGGGAACCTGAACGCCGACGCTTGGAGTTGCTTGTGCTTGCCTGCGCACTGCTCGACACCTGGG  
 TGCACAGGAGGCAGAGCGACACCCAGGAGCCGCTTGCCTCACTGCTGCGCACTGCTCGACACCTGGG  
 CGGCACTGACCGCTGCCATCACGCTTCTCTCCGCCAGGGCCGCTCCTTGTCTCCACAAGGTCGAGAT  
 AGCCCTCCGCCAGAAGGGCTTGGGACACACCAGCTGCCTTATTCTGAGCCAAAGGGAAACCCACCCAG  
 CTTACCCTGAGCGCAAGGGGAGCCCTACCCAGCTTACCCTGAGCGCAAGGGGAGCCCTACCCAGCTTA  
 CCCTGAGCGCAAGGGGAGCCCTACCCAGCTTACCCTGAGCGCAAGGGGAGTCTACCCAAGCCTACCC  
 GAGCGCAAGGGGAGCCACGCTTGATTTCCCAATCGGAGGGGAGCCCAACCACAGGATTGATGGAGC  
 AGAAGGGAAGTCCCACTTCAACCTACCCAGACCGAGGGGAGTCCGGTGCCTCCAGTGCCTGAGCGCAG  
 GGGTAGTCCAGTACCCCTGTGCCGAGCGCAGAGGCAGTCTCACTTTCGCTGGGAGTCTTGAAGACT  
 GGGCTACAGAGGAGGTGTCTAGTGGCCCATGGAAGTCTGCGAAAGGGTCTCTCCGCTCAGGCAGC  
 TGCTGAGCCCCAAGAATGAGAGGCGTGGGAGGATGAGGGCAGCTTCCCACTCCGAGGAAAATGGGCA  
 GCCGAGAGCCCCGGCGCCCTCGCTGAGTCCGGGTGACAGCACAGAGGCTGCTGCAGAGGAGAGAGG  
 TCGAGGGTCCGCCTAGCTTACAGCTACAGCCAATGCTCTGTACAGCAGCAATCTGCGAGATGACACTAAGG  
 CCATTCTGGAGCAAATTAGTGCCACGGCCAGAAGCACCGCGGGTCCCTGCTCCAGTCCAGCCACAG  
 CAGTCTGACGTAGTCTGCAACAACCTGCAGGAGACTTGGCCCCAGACATGTCCGACAAGGACAAATGT  
 TCAGCTATCTCCGCTCAGACAGCCTAGGGACACAAGGCCGGCTCAGCCGACCCCTGCCTGGCAGTGCAG  
 AGGAGCGAGACCGGCTCCTTCCGCCATGGAGAGCATGCGCAAAGAGAAGCGTGTCTACAGTCTGCTCGA  
 AGTCTTCTGCAAAAAGGACGAAGCTGGCAGTAGTGGGGCAGGAGACAACCTGGCAGATGAGGACACCAGG  
 GACAGTAAAATGGCAAATTTGTCCCAAGATCCTGGGCACATTCAAAAGCAAAAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_134087

**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.

**RefSeq:** [NM\\_134087.2](#), [NP\\_598848.2](#)

**RefSeq Size:** 4513 bp

**RefSeq ORF:** 3630 bp

**Locus ID:** 105732

**UniProt ID:** [Q148V8](#)

**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 (2) differs in the 5' UTR and represents use of an alternate promoter, compared to variant 1. Both variants 1 and 2 encode the same protein.