

## Product datasheet for **MG215581**

### Fam83h (NM\_001168253) Mouse Tagged ORF Clone

#### Product data:

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Fam83h
<b>Synonyms:</b>	AA409316
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)

**ORF Nucleotide Sequence:** >MG215581 representing NM\_001168253  
Red=Cloning site Blue=ORF Green=Tags(s)

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GCCCGCATCGCC

ATGGCCCGTCGCTCCCAGAGCAGCTCGCAGGGGGACAACCCACTGGCACCTGGGTACCTGCCACCTCACT  
ACAAAGAATATTACCGCTAGCGGTGGATGCATTGACTGAGGGTGGGCCAGAAGCCTACAACCGCTTCTT  
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CATCTCGGGAGGTACGCCACGGCTCGGATCCGGCCTTTGGACCCAGCCCCGTGGTCTAGAGCCCAGTGG  
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 AGTCTTCTGCAAAAAGGACGAAGCTGGCAGTAGTGGGGCAGGAGACAACTTGGCAGATGAGGACACCAG  
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

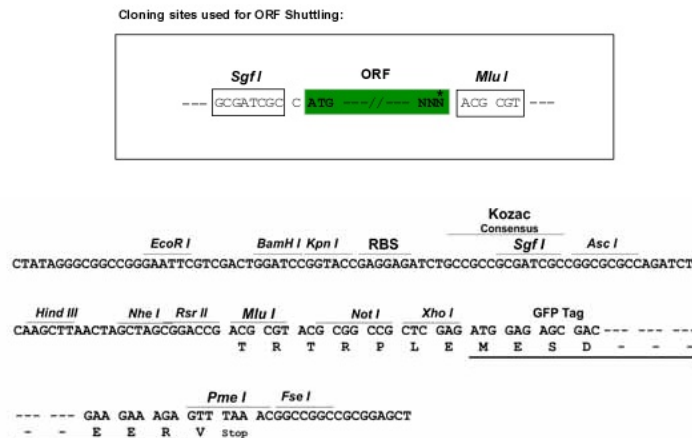
>MG215581 representing NM\_001168253  
 Red=Cloning site Green=Tags(s)

MARRSQSSSQDNPLAPGYLPPHYKEYYRLAVDALTEGGPEAYNRFLLASEGAPDFLCPEELEHVSRLQ  
 PQYVAREPPEGTPSDVMDGSSGTYWVNSDQAVPELDLWPLTFGFQTEVTLVQPPPDSPS  
 RRMIRSAQQVVAVVMDMFDVLDLSEVLEAAARRVPVYILLDEMNAQHFLDMADKCRVNLH  
 VDFLRVRTVAGPTYCRTGKSFKGLKEKFLLVDCAVVMSGYSFMWSFEKIHRSLAHV  
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 SFRSRLNPLIQRSSRLRSLIFASQAEGAVGTA  
 AATTEKVQLMHKEQTVSETLGP  
 SGEAVRSSASAKVAELLEKYKGPARDPGGAGG  
 AVTSSSHSKAVVSQAWREEVVAPGAGTER  
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 LDTLGGTDRLPSRFLSAQGRSLSPQGRD  
 SPPPEGLGTHQLPYSEPKGNPTPAYPERKGSPT  
 PAYPERKGSPTPAYPERKGSPTPAYPERKGSPT  
 QAYPERKGSPTSGFPNRRGSPTTGLMEQKGSPT  
 STYPDRRGSPVPPVPERRGSPVPPVPERRGSL  
 TFAGESSKTGPTTEEVS  
 SGPMEVLRKGSRLRLRQLLSPKNERRGEDEGS  
 FPTQENGQPESPRRPSLSRGDSTEAAA  
 AEEERSRVRLASATANALYSSNLRDDTKAILE  
 EQISAHGQKHRGVPAPGPAHSSPDVGRPTT  
 AGDLAPDMSDKDKCSAIFRSDSLGTQGR  
 LSRTPGSAEERDRLLRMESMRKEKRVYSR  
 FEVFCCKKDEAGSSGAGDNLADEDTR  
 DSKMGKFVPKILGTFKSKK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001168253

**ORF Size:** 3627 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:**

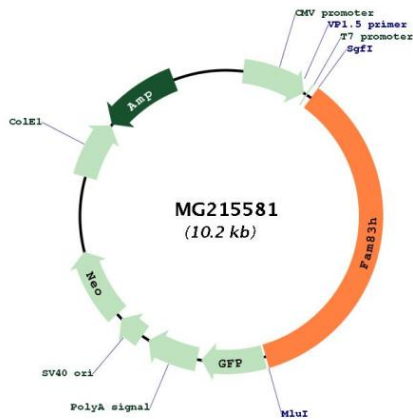
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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:	<a href="#">NM_001168253.1</a> , <a href="#">NP_001161725.1</a>
RefSeq Size:	4545 bp
RefSeq ORF:	3630 bp
Locus ID:	105732
UniProt ID:	<a href="#">Q148V8</a>
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]

### Product images:



Circular map for MG215581