

Product datasheet for MC215704

Fam83a (NM_173862) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fam83a (NM_173862) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fam83a
Synonyms: MGC40696
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC215704 representing NM_173862
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGTCGGTCAAGGCATGTGGCAAGATCCGAAACGTCTGGAAGATGTCAAGAACCAGTGACCCCGC
CAGCCAGAGCTGACTTCAGTGATAATGAGAGCGCCCGCTGGCCACAGATGCCCTCTGGATGGCGGTCC
AGAGGCTTACTGGCGCCCTCAGTCAGGAAGGAGAGGTAGACTTCTGTCTCAGCGGAGGCCAGTAC
ATCCAGGCCAGGCCAAGGAGCCCTGATGCCCCGATTCTGCCGGAGGGGCTGAGTCAGGACCCAGAG
GACTGGACTCCTGCTCTTACAATCAGGTACCTACTTCCCTGTGGCTTCGGAAGGCAGTGAGCCAGCTCT
GCTGCACACCTGGACTTTGGCTGAGAAGCCCTACCTGAAGGAAAAGTCCAGTGCCACCATCTACTCCAA
ATGGACAAACACAACAACATCAGAGATTTGGTCCGCCGCTGCATCTCCCGGGCCAGCCAGGTCTGGCCA
TTCTGATGGATGTGTTACGGATGTGGAGATCCTTTGTGACATCTAGAGGCAGCCAACAAGCGCGGGT
ATTCGTCTGTGTCTTCTGGACCAGGGCGGGTGAAGCTTCCAGGAGATGTGTGACAAAGTCCAGATC
TCTGATATTCATCTCAAGAACATCTCCATCAGGAGTGTGGAAGGGGAGGTGATTGTGCCAAGTCAGGCA
GGAAATTTGCCGCCAAATCCAAGAGAAGTTCATCATCTCAGACTGGAGTTTGTCTTATCCGGATCATA
CAGCTTCTCTGGCTCTGTGGACAGTGCACAGGAACATCCTCTCCAAGTTCACGGGGCAAGCGGTGGAG
CTGTTTGTGAGGAATTCGACGCCTCTACGCCTCCTCCAAGCCCTGATGGGTCTGAAGTCCCGGAGGC
TGGTCGCCCCGTTCCAACCCAACAAGGGCCAGAAAGTCCCAATGGCCGCTCAGCGCCAGCAGTGACTC
TGCCAGTGACCGCACCTCCTCAACCCCTCAGCAGCCTGTGACCGGCAGCAATGCCACAACCAGAGT
CTGTCCACATCTCAGGGCCAGCAGTCCCTGGCCCCATCCCACCCACGGTTCGAAGGCTGCAGCCCT
ATCACAGACCCGGAGAGCCGTGGCCCCACAGCCTCTCTTGGTCCCATGAGGCCCATGAGGGAGCACC
AGCTCCCTACAGCAGCCTCATGGCTACAGGCCACCCGGCTGCAGCTGCAGCAACTCGGCTGGTGCC
AGGGTACTACCCCTGGAGCCTTTTCTACAGCCTTGCTCATTTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_173862
Insert Size:	1311 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:	<ol style="list-style-type: none">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:	<u>NM_173862.2</u> , <u>NP_776287.2</u>
RefSeq Size:	2089 bp
RefSeq ORF:	1311 bp
Locus ID:	239463
UniProt ID:	<u>Q8K2P2</u>
Cytogenetics:	15 D1
Gene Summary:	Probable proto-oncogene that functions in the epidermal growth factor receptor/EGFR signaling pathway. Activates both RAS/MAPK and PI3K/AKT/TOR signaling cascades downstream of EGFR. Required for the RAS/MAPK signaling cascade activation upon EGFR stimulation, it also activates both signaling cascades independently of EGFR activation. [UniProtKB/Swiss-Prot Function]