

Product datasheet for **MG203996**

Fam84a (NM_029007) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fam84a (NM_029007) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fam84a
Synonyms:	2310003N02Rik; 4731402F03Rik; AW125753; Nse1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203996 representing NM_029007 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAACCAACTGGACCGCATCACCCACCTCAACTACAGCGAGTTGCCCACTGGGGACCCATCTGGGA
TTGAGAAGGACGAGCTGCGAGTCGGGGTTGCCTACTTCTTCTCGGATGAGGAGGAGACCTGGACGAACG
CGGGCAGCCGGACAAGTTTGGTGTGAAGGGCCCCCAGGTTGCAGCCCTTGCCAGAGAGCCCCAGCCGC
CACCACCACCTGCTGCACCAGCTCGTCTCAACGAGACTCAGTTCTCCGCCTCCGGGGCCAGGAAT
GCATCTTTTCAAAGTGACCGGGGCCCTCAGGGCGCCGACTTGAGTGTCTACGCGGTCACTGCGCTGCC
GGCGATCTGCGAGCCAGGCGACCTGCTAGAGCTCTTGTGGCTACAGCCGGCGACCGAGCAGCCCGGCCA
GCCCTCACTGGGCCGTCTACGTGGGCGGGCAGATCATCCACTGCACCAAGGCGAGATCCGCCAGG
ACAGCCTGTACCAGGCGGGCGCGCCAACGTGGGCGGGTGGTGAATAGCTGGTACCGCTACCGCCCGCT
GGTGGCCGAGCTAGTGGTGCAGAACGCCTGTGGCCACCTGGGCCTCAAGAGCGAGGAGATCTGCTGGACG
AACTCCGAGAGCTTCGCTGCCTGGTGGCGCTTTGGAAAGCGCGAGTTCAAGGCTGGCGGGGAGGTCCCCG
CAGGAACGCAGCCCGCAACAGCAGTATTATCTCAAAGTGCATCTGGAGGAGAACAAAGTCCACACGGC
CCGTTCCACAGCCTGGAGGACCTATCCGCGAGAAGCGTGCATAGACGCCAGTGGCCGCTGCGAGTG
CTGCAGGAGCTTGAGGACTTTGTGGACGACAAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203996 representing NM_029007
 Red=Cloning site Green=Tags(s)

MGNQLDRITHLNYSELPTGDPGSGIEKDELRVGVAYFFSDEEEDLDERGQPKDFGVKGGPPGCSPCPEPSR
 HHHHLLHQLVLNETQFSAFRQEQECIFSKVTGGPQGADLSVYAVTALPAICEPGDLLELLWLQPATEQPAP
 APHWAVYVGGGQIIHLHQGEIRQDSL YQAGAANVGRVNSWYRYRPLVAELVVQNAACGHLGLKSEEICWT
 NSESFAAWCRFGKREFKAGGEVPAGTQPPQQYYLKVHLEENKVHTARFHSLEDLIREKRRIDASGRLRV
 LQELEDVFDDKE

TRTRPLE - GFP Tag - V

Restriction Sites:

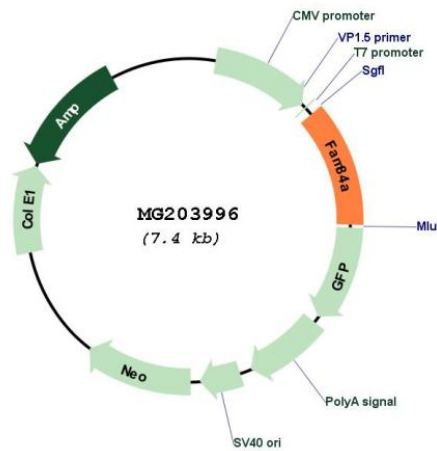
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_029007

ORF Size: 876 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:	<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:	NM_029007.2 , NP_083283.2
RefSeq Size:	3402 bp
RefSeq ORF:	879 bp
Locus ID:	105005
UniProt ID:	Q9D650
Cytogenetics:	12 A1.1
Gene Summary:	May play a role in cell morphology and motility.[UniProtKB/Swiss-Prot Function]