

Product datasheet for **RG206147**

FAM71A (NM_153606) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM71A (NM_153606) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM71A
Synonyms:	GARI-L4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206147 representing NM_153606
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATGCTGATTTTCTGCTGCCGTATTATACGGCCAGAGTGGCTCCAGCATGAGCATGTTTCGACACCA
 CCATGGGGAAACTGCAGCGACAACCTGTACAAGGGGGAGTACGATATATTCAAGTATGCACCGATATTTGA
 GAGCGACTTTATCCAGATCACAAAAGGGGAGAAGTGATTGATGTGCACAACCGTGTCCGTATGGTGACC
 ATGGGCATTGCACGTACCAGCCCCATCCTCCCACTCCAGATGTCATGCTACTGGCACGACCGGCCACCG
 GCTGCGAAGAGTATGCTGGACATGGCCAGGCCACCAAGAGAAAAAACGCAAGGCAGCAAGAAGCTTAGA
 GCTCACCAGGCTTCTGCCCTGAGGTTTGTACGGATCTCTGTTCAAGACCATGAGAAACAACAGCTGCGC
 CTGAAGTTCGCCACTGGCAGATCTTCTATCTGCAATTGTGTCCGCTCTTGACACACGGGATGACCTCT
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 TCCAGCTGAAGACATGATGTGGATGCCTGTGTTTCAGGAAGACAGGAGGAGCCTGGGAGCCGTGAACCTT
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 TACTACAAAAGTAGTGGGCACACCACATGGCAGAGATGTGGACGTCATGGCTAAGATGGCGGAGAGGAGC
 ACCAACGTGGCCATCGCCGAGACAGCAGAGGGTGGCCAGGGGCTGGAGATGGTTGGTTCTATGACACCGG
 ACATCATGGAGACAGTGACCTTTGAAGCCAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

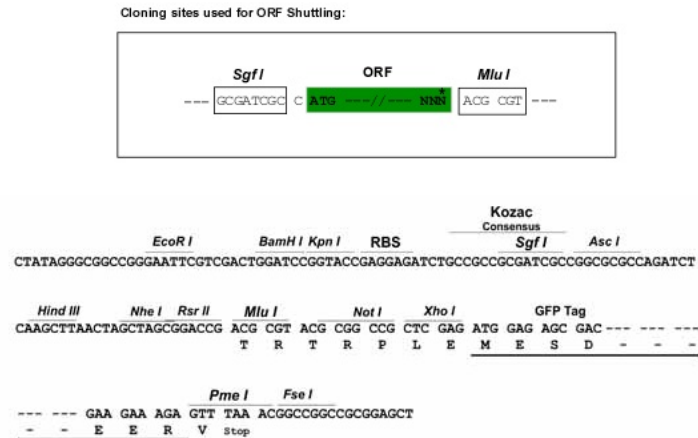
>RG206147 representing NM_153606
 Red=Cloning site Green=Tags(s)

MNADFLPPYYTAQSGSSMSMFDTTMGKLQRQLYKGEYDIFKYAPIFESDFIQITKRGEVIDVHNRVMVT
 MGIARTSPILPLPDVMLLARPATGCEEYAGHGQATKRKKRKAANKLELTRLLPLRFVIRISVDHEKQQLR
 LKFATGRSCYLQLCPALDTRDDLFAWYEWELIYLLRPPMESNSSTCGIPAEDMMWMPVFQEDRRSLGAVNL
 QGKGDQDQVSIQSLHVMSEVCGATSAAYAGGEGQLQDNFNKPTNVLNASIPKTSTELAEPEATGGIKEAAA
 AGAAAGAATGTVAGALSVAAANSAPQVSAIAGAATIDAGNKGNMALAGTASMAPNSTKVAVAGAAGK
 SSEHVSSASMSLSREGSVSLAIAGVVLTSRTAAEADMDAAAGPPVSTRQSKSSLGQHGRTQASAEGC
 KEGRRERREKDRALGRSSHRRRTGESRHKTRGDKIAQKSSSRSSFSHRANRDKKEKGCGNPGSSRHRDSDH
 KGVSHPTISKESRTSHKSGRSLWTTSSGSKGLGRVSSFLRNVRANLTTKVVGTPHGRDVDVMAKMAERS
 TNVAIAETAEGGQLEMVGSMTDIMETVTFEAF

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


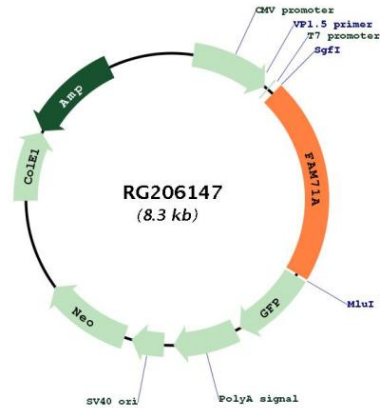
ACCN:	NM_153606
ORF Size:	1782 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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:	NM_153606.2
RefSeq Size:	2321 bp
RefSeq ORF:	1785 bp
Locus ID:	149647

UniProt ID: Q8IYT1

Cytogenetics: 1q32.3

Gene Summary: This gene encodes a protein that interacts with the Rab2B small GTPase and may be important for integrity of the Golgi body. A knockdown of this gene induces fragmentation of the Golgi, similar to the effect seen with a knockdown of the Rab2B small GTPase. The encoded protein has an N-terminal Rab-binding domain specific for Rab2B. [provided by RefSeq, Feb 2017]

Product images:



Circular map for RG206147