

Product datasheet for **RG218003**

FAM174B (NM_207446) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: FAM174B (NM_207446) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: FAM174B
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG218003 representing NM_207446
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGCGCCGTGCCGCTGCCCGCCCCGCTCCTGCCGCTGCTGCTGCTCGCGCTCCTGGCCGCTCCCGCCG
 CCCGCGCCAGCAGAGCCGAGTCCGTCTCCGCGCCGTGGCCCAACCCGAGCGGAGTCCGCGCCACCGCC
 CGGCCCGGGCCCGGAACACCACCCGGTTTGGGTCTGGGGCGGGCGGCAGCGGCAGCTCCAGCTCC
 AACAGCAGTGGCGACGCCTTGGTGACCCGCATTTCCATCCTCCTCCGCGACCTACCCACCCTCAAGGCAG
 CCGTGATCGTGGGTTTCGCTTTACCACCCTCATCGCTGCCTGCTGCTGCGCGTCTTCAGGTCGGG
 AAAGAGGTTAAAGAAGACACGCAAGTATGATATCATCACCCTCCAGCAGAGCGAGTGGAAATGGCGCCA
 CTAATGAAGAGGATGATGAAGATGAGGACTCCACAGTATTTCGACATCAAATACAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218003 representing NM_207446
 Red=Cloning site Green=Tags(s)

MRVPLPAPLLPLLLLALLAAPAARASRAESVSAPWPEPERESRPPPGPGPNTTRFGSGAAGGSGSSSS
 NSSGDALVTRISILLRDLPTLKAIVAFATLLLIACLILLRVFRSGKRLKTRKYDIITPAERVEMAP
 LNEEDEDSTVFDIKYR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

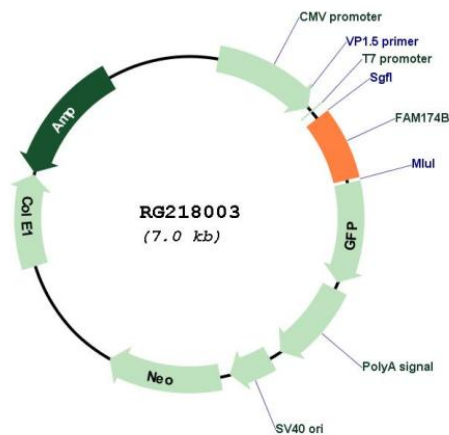


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Cloning Scheme:



Plasmid Map:



ACCN: NM_207446

ORF Size: 477 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_207446.3
RefSeq Size:	2630 bp
RefSeq ORF:	480 bp
Locus ID:	400451
UniProt ID:	Q3ZCQ3
Cytogenetics:	15q26.1
Protein Families:	Transmembrane
Gene Summary:	Essential for Golgi structural integrity.[UniProtKB/Swiss-Prot Function]