

Product datasheet for **RG223422**

FAM181B (NM_175885) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM181B (NM_175885) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM181B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223422 representing NM_175885 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGCAGGCGGCGCTCCTCAGCACGCACCCTTTCGTGCCCTTCGGCTTCGGGGGCTCCCCGGACG
GGCTAGGGGGCGCCTTCGGAGCCCTGGACAAGGGCTGCTGTTTCGAGGACGATGAGACCGGGGCTCCGGC
GGGTGCGCTGCTGTCGGGAGCCGAAGGAGGGGACGTGCGCGAGGCCACCCCGGATCTACTCAGCTTCATT
GACTCGGCGTCCAGCAACATCAAGCTGGCGCTGGACAAGCCGGCAAGTCAAGCGGAAGGTGAACCACC
GCAAGTACCTGCAGAAGCAGATCAAGCGCTGCAGCGGCTCATGGGCGCCGCGCCCGCCGCGCCCTC
CCCGAGCGCCGCGACACGCCAGCCAAACGCGCCGCTGGCCGCCCCAGCGCCCGACAGTCGCGGCCCG
GCCACGCAAGGCTGCCCGCGGGAGGCGTGCAGGCCCGCGGGCCGCGCCAGCTTGCAAAGCCGAA
GTCTGGCCGCGCTCTTCGACTCGCTGCGCCACGTCCCCGGGGTGCCGAGCCGGCGGGGGTGAGGTGGC
TGCGCCGGCGGCGGCTAGGAGGTGCGGGCACTGGGGCGCGGGAGGGGACGTGGCAGGCCCGCGGGG
GCCACGGGATCCAGGGGCCAGGAAGTCCCCTGCGGGCACGCAATCTGCCTCCGTCTTCTTACCGG
AGCCGTCCCGGGCAGGCGGCGGGGTGTGGCCCGTGGGGCCGACGTGAGCTTGGGCGACCTGGAGAA
GGGCGGGAGGCGTGGAGTTCTTTGAGCTGCTGGGGCCGACTACGGCGCGGCACGGAGCGGCGAGTC
TTGCTTGGCGCGAGCCTCTCGACGTGTTCCCGCGGAGCCTCCGTACTGCGGGGACCCCGGAGCTGG
AGCCCGGCTCTTTGAGCCGCGCGGAGTGGTGGGAACTACTGTACCCGAGCCCTGGAGCGTCCC
GGGCTGCTCCCGACAAAAGAGCCCCCTGACTGCCCGCGGGGCTTGACCTTGAACGAGCCCTTG
AGCCCCCTGTACCCCGCGCTGCGGATTCTCCCGGGGGAGGACGGGCGGGGCCATTTGGCCTCTTTTCG
CCCCCTTTTCCAGACTGCGCCCTGCCCGCGCGCGCCCGCCCATCAGGTGTCCTACGATTACAGCGC
GGGCTACAGCCGACCGCCTATTCCAGCCTTTGGAGATCCGACGGGGTTTGGGAAGGGGCGCCGGGGGAG
GAGGGGGCGCACCGGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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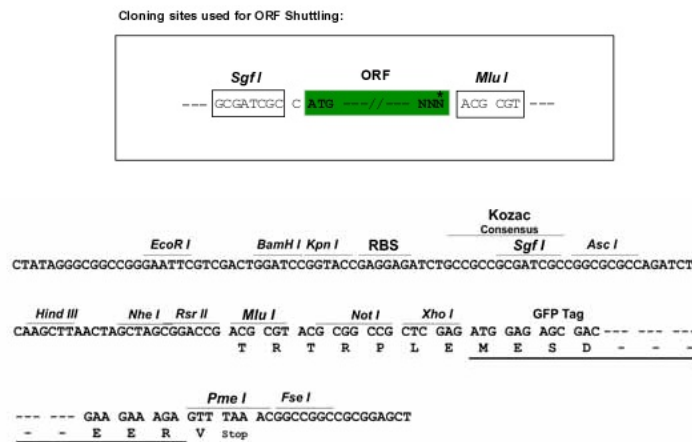
Protein Sequence: >RG223422 representing NM_175885
Red=Cloning site Green=Tags(s)

MAVQAALLSTHPFVPPFGFGGSPDGLGGAFGALDKGCCFEDDETGAPAGALLSGAEGGDVREATRDLLSFI
 DSASSNIKLALDKPGKSKRKVNHRKYLQKQIKRCSGLMGAAPPSPSAADTPAKRPLAAPSAPTVAAP
 AHGKAAPRREASQAAAAASLQSRSLAALFDSL RHVPGGAEPAGGEVAAPAAGLGGAGTGGAGGDVAGPAG
 ATAIPGARKVPLRARNLPPSFFTEPSRAGGGCGPSGPDVSLGDLEKGAEAFFELLGPDYAGTEAAV
 LLAAEPLDVFPAGASVLRGPPELEPGLFEPPPAVVGNNLLYPEPWSVPGCSPTKKSPLTAPRGGLTLNEPL
 SPLYPAAADSPGGEDGRGHLASFAFFPCALPPPPPHQVSYDYSAGYSRTAYSSLWRSRGVWEGAPGE
 EGAHRD

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_175885

ORF Size: 1278 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.

RefSeq: [NM_175885.4](#)

RefSeq Size: 1875 bp

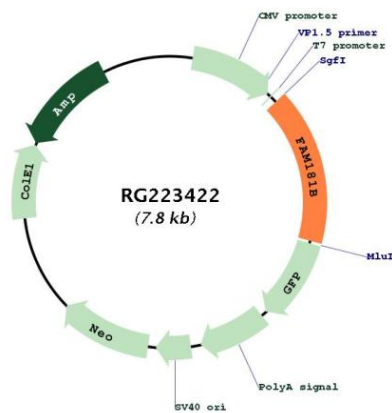
RefSeq ORF: 1281 bp

Locus ID: 220382

UniProt ID: [A6NEQ2](#)

Cytogenetics: 11q14.1

Product images:



Circular map for RG223422