

Product datasheet for **RG223497**

FAM102B (NM_001010883) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	FAM102B
Synonyms:	SYM-3B
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG223497 representing NM_001010883
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCGGCTGCTGGACGGCGGCAGCTTCACCGCCGAGTCTCCAGGGAGGTGGTACAAGCAAACCTGTGTTT
GCTGGAGAAAGAAGTTCTCATTATGTGCAAAATGAGTGCAAGTGCTGCCACAGGCATCCTAGATCCTTG
TATCTACAGAGTATCCGTGAGGAAGGAATTTAAAGGTGAAAAGCTTATGCAAAGCTGGGCTTTGCAGAT
CTAAACCTGGCAGAGTTTGTGGATCAGGAAATACCACTCGCCGCTGTTTACTGGAAGGCTATGATACCA
AAAATACAAGACAGGATAATTCCATTCTTAAAGTTTTGATCAGTATGCAACTGATGTCTGGTGACCCATG
TTTTAAACGCCTCCCTCCACTTCAATGTCTATACCAATTGCTGGTGAATCTGAATCTTTGCAAGAAGAT
AGAAAAGGTGGAGAGACTCTCAAAGTGCATCTTGAATAGCAGATCTTTCAGCAAAGAGTGCCTCTGTTT
CAGACGAACTTGGTGCCTGTGGACATTCTAGAACATCAAGCTATGCAAGTCAGCAGTCAAAAGTATCAGG
GTATAGCACGTGTCACTCCCGGTCACTAGTTTCTCTGAGCTCTGCCACAGGAGAAATACCTCAGTGGGA
AGCACATCAACAGGAGTTGAAAGTATTCTAGAGCCATGTGATGAAATTGAGCAGAAAATCGCTGAGCCAA
ATCTTGATACAGCTGATAAAGAAGATACAGCTTCAGAAAACTCAGCAGATGCCAGTGAAACAAGATTC
TGTAAGTCTCAGCTGAAGCGAGTTGATGACACCAGGGTGGATGCAGATGACATTGTAGAGAAAAATTA
CAAAGTCAAGACTTCAGCCTAGATTCCAGTGCGGAAGAAGAAGGACTAAGGCTATTTGTGGGTCTGGGG
GAAGTACAACCTTTGGCAGTCATCATCTTCCAATAGGGTGGGTCTGGAGCTTATGAACAAGTTGTGAT
CAAACGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



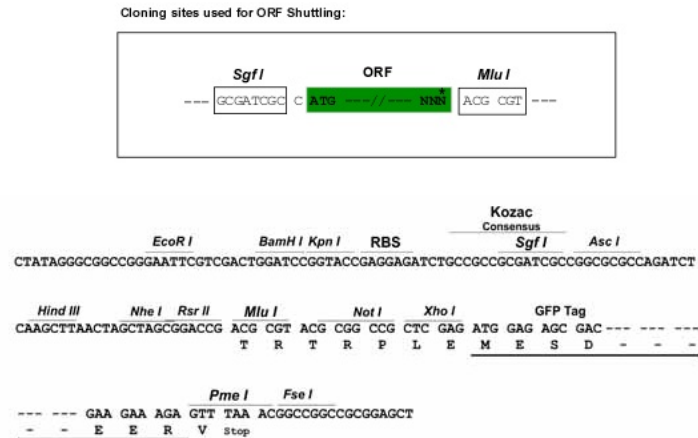
Protein Sequence: >RG223497 representing NM_001010883
 Red=Cloning site Green=Tags(s)

MRLLDGSFTAESSREVQANCVRWRKKFSFMCKMSASAATGILDPCIYRVSVRKELKGGKAYAKLGFAD
 LNLAEFAGSGNTTRRCLLEGYDTKNTRQDNSILKVLISMQLMSGDPCFKTPSTSMSIPIAGESESLQED
 RKGGETLKVHLGIADLSAKSASVPDELGACGHSRTSSYASQSKVSGYSTCHSRSSSFSELCHRRNTSVG
 STSTGVESILEPCDEIEQKIAEPNLDTADKEDTASEKLSRCPVKQDSVESQLKRVDDTRVDADDIVEKIL
 QSQDFSLDSSAEEEGLRLFVGPGGSTTFGSHLPNRVGSAYEQVVIKR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001010883

ORF Size: 987 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_001010883.1](#), [NP_001010883.1](#)

RefSeq Size: 5359 bp

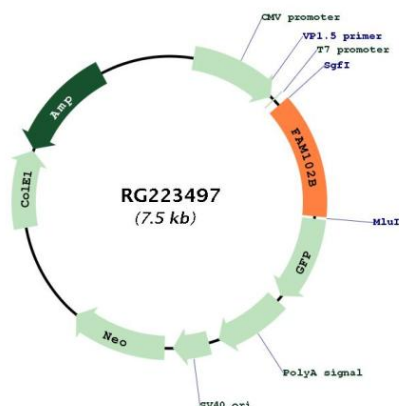
RefSeq ORF: 1083 bp

Locus ID: 284611

UniProt ID: [Q5T8I3](#)

Cytogenetics: 1p13.3

Product images:



Circular map for RG223497