

Product datasheet for **RG211044**

FAM78B (NM_001017961) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM78B (NM_001017961) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FAM78B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211044 representing NM_001017961 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCTGTATCCAAAGCATCACCTGCAAGGCGCGGATCCGGCGCGAGAACATCGTGGTGTACGATGTGT
GCGCCACCATCGACCACTGCCCCACGCGCATCGAGGAGACCTCGCCCATCGTCCTGCGCTACAAGACCCC
CTACTTCAAAGCCTCCGCCCCTGGTTCATGCCCCCATCCCCGCCACGAGACCTGGGTGGTGGGCTGG
ATTCAGGCGTGCAATCAGATGGAGTTCTTCAACACCTACAGCGACCTGGGCATGTCAAGCTGGGAAGTGC
CTGACTTGAGGGAAGGAGAGTAAAAGCCATCAGTGACTCAGATGGGGTGAGCTACCCCTGGTACGGGAA
CACCACAGAACTGTACCCCTGGTTGGCCCCACCAACAAGATCTCCAGGTTCTCCGTCAGCATGAATGAC
AACTTCTACCCCACTGTGACATGGGCAGTGCCTGTGAGTGACAGCAATGTGCCACTGCTCACAAGAATCA
AGAGAGACCAAAGTTTCACGACCTGGCTGGTGGCCATGAACACCACCACAAAGGAGAAGATCATTCTGCA
GACCATCAAGTGGAGGATGAGGGTGGACATTGAAGTGGACCTCTTCAGCTCTTGGGGCAGCGGGCCCGG
CTGGTGGGCAGGACTCAGCAGGAGCAGCCCGGATCCTGAGCCGGATGGAACCCATCCCCCTAATGCAC
TAGTGAAACCAATGCCAATGATGCCAGGTCCTCATGTGGAGGCCCAAGCGGGGCCACCTCTGGTTGT
GATCCCTCCTAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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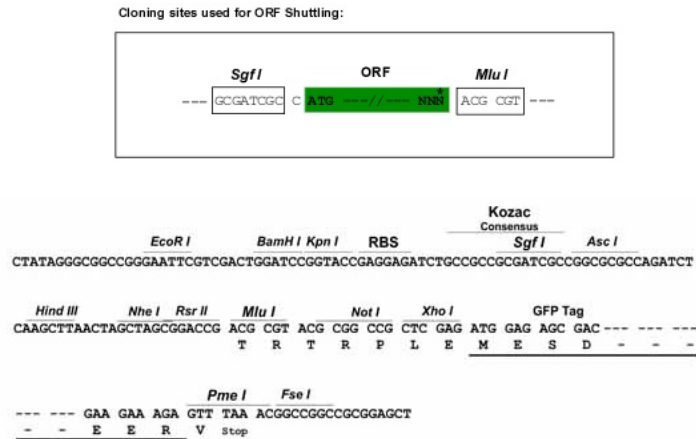
Protein Sequence: >RG211044 representing NM_001017961
 Red=Cloning site Green=Tags(s)

MGCIQSITCKARIRRENIVVYDVCATIDQCPTRIEETSPIVLRYKTPYFKASARVVMPPIPRHETWVVGW
 IQACNQMEFFNTYSDLMSSWELPDLREGRVKAISDSGVSYPWYGNTTETVTLVGPTNKISRFVSVMND
 NFYPSVTWAVPVSDSNVPLLTRIKRDQSFTTWLVAMNTTTKEIILQTIKWRMRVDIEVDPLQLLGQRAR
 LVGRTQQEQPRILSRMEPIPPNALVKPNANDAQVLMWRPKRGPPLVVIPPK

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001017961

ORF Size: 783 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_001017961.2, NP_001017961.1

RefSeq Size: 1676 bp

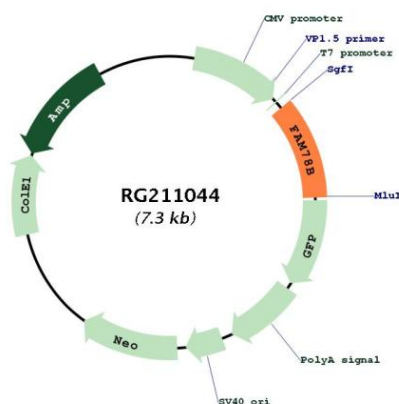
RefSeq ORF: 786 bp

Locus ID: 149297

UniProt ID: Q5VT40

Cytogenetics: 1q24.1

Product images:



Circular map for RG211044