

Product datasheet for **MG222767**

Fbxw21 (NM_177069) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Fbxw21 (NM_177069) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Fbxw21 |
| Synonyms: | E330009P21Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG222767 representing NM_177069
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGATCCATTGCCTCGTTTGCCTCTGATGGAATCTTCTCCTATCTGGATGCCTACAGTTTGCTAC
 AGTTTGCCCAAGTGAACAAGAAGCTGGAATGAACCTGCAAGCAGTGATGTCTATGGAGGAAGTTGTGTCA
 AAAGAGATGGTTCTACTGTAACATGGTCACCCAACAGCTCCTGGGTAAAGAGACATGGAAGGAGTTCTTC
 ATTTACCGAACATGGCAAGAACATGCCAAGTCCCGGGCAAAGCCAGAAGATTTCAATTTACAAGGAAATTC
 CTGCAGAGTATGGAATTCAGGCATATGCATGTTATATCTCAGAGCATGGCTTAACAAGAAATGGACAAGG
 CAGGTCTGTTATCTGTATGGCGACTTCCATGAACAGGATCTCTACCTGGGATATTCACGAGGGTGTTTTG
 ACCTGGTAAGCCGAGACAGCCGGCAAGTATCAAGCTGTTGACTACCCTCCCTGAGATGTACATTGCAG
 TCACTGTAGATATGGAATCAACTATCAAACTGTGGGACTGTCACAACAGTGAAGCTCTGGCAACTAACAG
 CCTGATTTCTCCCTGTCAGTCACTGAAAGCTGTCATTACCAAGGATGGCCCAATTGTCTTGATAGGTGAT
 ACCTGGGTAACCTCAACATCTTTAGGATTCCTGACTTATACCATATTACAGACTCAAAGTATTCCTCAT
 ACGGTATTAGTGAACCTACTGCTCTCCTCAGAAGAAATGGATCTTTCTGAATAGGAAACACCCACATAT
 CTTGCCAAAGGTGTTTTACATGAGCAGCTTACTGAGGACATCAGAATTTCTTGCCCTGTGTCTACCGAT
 CTCAAATTTTCATTGTGCCAAAGAGCCTTCTGGACTCCAAGAAGGGAAGACAGGATAACCCTGATGTCCA
 TACATGGCCCCAAAAAATCAAAAAGTTTATCACATTTGATATGGAGCTGGAAAAGATCGGGAACAAAAT
 AACTGTTAAAGAGCATTCTTTGCAAGCTTCTCATTGCAGAACTATGAGGAGAGACCAGAATGGTATGGA
 GTTAGTGATAAGGATGTGATTGTTTGTCAACTAGATTCTCTCTTGTCTTCGACATAAATGGTCACT
 GTCTGCAAGCATTTCAGTACTGCCCAGAACAGATCTTGAGACTATGGGTGGACCCCTTCAATGTCATCGT
 CTCATGTAATGATGGCTTTTGGATGTGTACGCATGGGAGGAGAGAAGCCAACAGCTCAATAAGTGTTAT
 CGGCTGCAATACAGTAAACATCTGCCATCATCTGGCCTCATTAAACAAAACACTAAGTGATGATGTAAGCA
 TAATTCAGTGATAACAATTCGAACCACCCCTGCTTTCTGATGGCATTATCTTGAAGTCTGCTCTTGA
 AAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

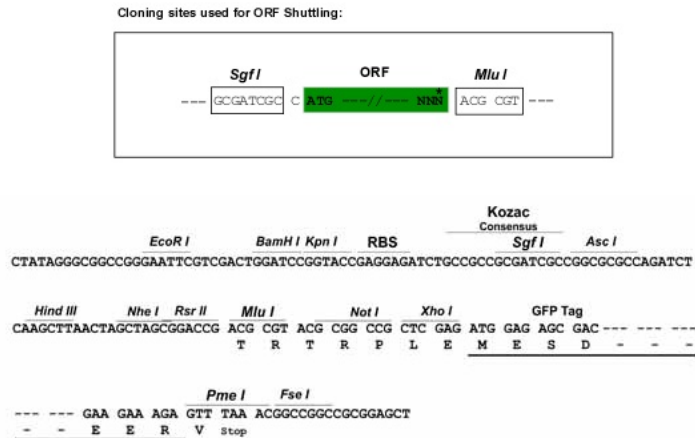
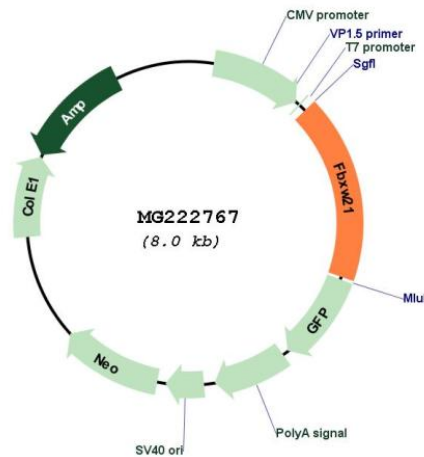
>MG222767 representing NM_177069
 Red=Cloning site Green=Tags(s)

MEIHLPRPLMEIFSYLDAISLLQVAQVNKNWNEASSDVLWRKLCQKRFYCNMVTQQLLGKETWKEFF
 IYRTWQEHAKSRAKPEDFIYKEIPAIEYGIQAYACYISEHGLTRNGQGRSVICMATSMNRISTWDIHEGVL
 TWVSPEQPASIKLLTTLPEMYIAVTVDMESTIKLWDCHNSEALATNSLISPCQSLKAVITKDGPIVLIGD
 TLGNLNIIFRIDLYHITRLKVFYPYGISELYCSPQKKWIFLNRKHPHILPKVFYMSLLRTSEFSAPVSTD
 LKFSLCQRAFWTPRREDRITLMSIHGPKIKKFIITFDMELEKIGNKITVKEHFFASFSLQNYEERPEWYG
 VSDKDVIVCSTRFSLLLFDINGHCLQAFQYCEQILRLWVDPLHVIVSCNDGFLDVYAWEERSQQLNKCY
 RLQYSKHLPSGLINKTLSDDVSIQVITIRTPCFLMAFILKSALEN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_177069

ORF Size: 1404 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_177069.3](#), [NP_796043.1](#)

RefSeq Size: 1486 bp

RefSeq ORF: 1407 bp

Locus ID: 320082

Cytogenetics: 9 F2