

Product datasheet for **MG219072**

Fggy (NM_001113412) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fggy (NM_001113412) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fggy
Synonyms:	2310009E04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219072 representing NM_001113412
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTCTGGCAGAGACCAGGAACCAAGTCGCTACTATGTGGGCATCGATGTGGGAACAGGTAGTGTC
 GTGCGGCTCTAGTGGACCAGAGAGGGCTCCTTTTGGCTTTTCGAGAGCAGCCAATTAAGAAGTGGGAGCC
 TCAATTC AACACCACGAGCAGTCTCAGAGGATATCTGGGCGGCATGCTGCCTTGTACAAAGGAAGTT
 GTTCAAGGGATTGATGCACATCGAATCCGAGGACTTGGTTTTGATGCCACGTGTTCTCTGGTTGTCTTGG
 ATAAAGAGTTCATCCTTACCAGTAAACCATGAAGGGGACTCCTCTCGAAACGTTATCATGTGGCTGGA
 CCACCGGGCTGTAGCCAGGTCCACAGGATTAATGAGACCAAGCAGAGTCTTCAGTATGTGGTGGT
 GTGATGTCTGTGGAGATGCAGGCTCCAAGCTCCTGTGGCTGAAGGAGAACTTGAGAGAGATTTGCTGGG
 ATAAGCGGGACATTTCTTTGATCTCCAGACTTCTTATCATGGAAGGCAACAGGTGTACAGCACGGTC
 TCTCTGCTCCTTGGTGTCAAATGGACATACTCAGCAGAGAAAGTTGGGATGACAGCTTCTGGAAGATG
 ATTGGACTGGAAGATCTCATTGATGATAATTACAGCAAAATAGGAAACCTCGTGTGCTTCTGGAGCTG
 CTCTTGAATTGGGCTCACACCAGAAGCAGCCAGAGAGCTGGGTCTTCTTCAGGAATTGCAAGTGGCAGC
 CTACTIONTATTGATGCCCATGCAGGAGGACTAGGAGTGATTGGGGCAGATGTGAGAGGTACCGGGCTTACC
 TGTGAGGGACAGCCAGTGACGTCAAGGCTGGCTGTCACTGTGGAACATCATCTTGTACATGGGGATCA
 GCAAAGATCCAGTGTGGTACCAGGTGTCTGGGACCTTATTATTCAGCCATGGTCCCTGGGTTCTGGTT
 GAATGAAGGTGGTCAAGTGTGACTGGAAAATTGATAGACCATATGGTGCAGGGCCATCTGCCTTCTCT
 GAACACAAGCCAAGGCCACAGCCAGATGCCAGAGTATATGCATATTTGAATAGTCACTGGACTGA
 TTAAGAAGGCTCAGCCTGTGGTTTCTCACTGTTGATTTACATGTTTGGCCAGATTTCCATGGCAACCG
 GTCTCCCTTAGCAGATCTGACTCTGAAGGGCATGGTCACTGGATTGACCGTGTCTCAGGACCTTGATGAT
 CTTGCCATCCTCTACCTGGCCACTGTTCAAGCCATTGCTTTTGGGACTCGCTTCACTTAAACAATGG
 AGGCAGCAGGGCACTCTCTCAGTACCCTCTTCTTATGTGGAGGCCTAAGCAAGAATCCGCTTTTTGTGCA
 AATGCATGCTGACATTACTGGCATGCCTGTGGTCTGTACAAGAGGTGGAGTCTGTCTCGTGGGAGCT
 GCTATTCTGGGTGCCTGTGCCTCAGGGGACTTCACTTCTGTGCAGGAGGCAATGGCAAGGATGAGCAAAG
 TGGGGAAAGTCGTGTTCCGGAACATGCTGATAAAAAATATTATGACAAGAAATATCAAGTGTCTGAG
 AATGGTTGAGCACCAGAAGGAGTATTCAGCAATCATGAATGGAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG219072 representing NM_001113412
 Red=Cloning site Green=Tags(s)

MMSGRDQEPSRYVYVGVGIDVGTGSVRAALVDQRGLLLAF AEQPIKWPQFNHHEQSSEDIWAACCLVTKEV
 VQGIDAHRI RGLGFDATCSLVVLDKEFHPLPVNHEGDSSRNVIMWLDHRAVSQVHRINETKHRVLYVVG
 YMSVEMQAPKLLWLKENLREICWDKAGHFFDLPDFLSWKATGVTARSLCSLVCKWTYSAEKGWDDSFWK
 IGLEDLIDDNYSKIGNLVLLPGAALGIGLTPEAARELGLPSGI AVAASLIDAHAGGLGVIGADV RGHGLT
 CEGQPVTSRLAVICGTSSCHMGI SKDPVFVPGVWGPYYSAMVPGFWLNEGGQSVTGKIDH MVQGH PAFP
 ELQAKATARCQSIYAYLNSHLDLIKKAQPVGFLTVDLHVWPDFHGNRSPLADLTLKGMVTGLT LSQD LDD
 LAI LYLATVQAI AFGTRFIIETMEAAGHSLSTLFLCGGLSKNPLFVQMHADITGMPVVL SQEVESVLVGA
 AILGACASGDFTSVQEAMARMSKVGKVVPEHADKKYDKKYQVFLRMVEHQKEYSAIMNGS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001113412

ORF Size: 1656 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_001113412.1](#), [NP_001106883.1](#)

RefSeq Size: 1904 bp

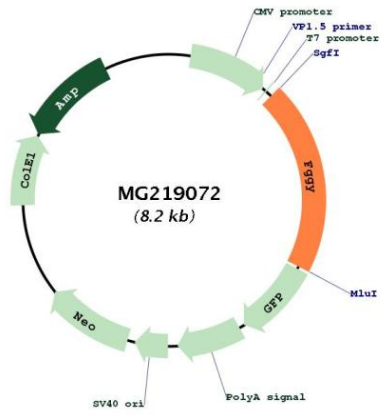
RefSeq ORF: 1659 bp

Locus ID: 75578

UniProt ID: [A2AIL3](#)

Cytogenetics: 4 C5

Product images:



Circular map for MG219072