

## Product datasheet for **MR219072**

### **Fggy (NM\_001113412) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Fggy (NM_001113412) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fggy
Synonyms:	2310009E04Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR219072 representing NM\_001113412  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGTCTGGCAGAGACCAGGAACCAAGTCGCTACTATGTGGGCATCGATGTGGGAACAGGTAGTGTCC  
 GTGCGGCTCTAGTGGACCAGAGAGGGCTCCTTTTGGCTTTCGAGAGCAGCCAATTAAGAAGTGGGAGCC  
 TCAATTC AACACCACGAGCAGTCCTCAGAGGATATCTGGGCGGCATGCTGCCTTGTACAAAGGAAGTT  
 GTTCAAGGGATTGATGCACATCGAATCCGAGGACTTGGTTTTGATGCCACGTGTTCTCTGGTTGTCTTGG  
 ATAAGAGTTCATCCTTACCAGTAAACCATGAAGGGGACTCCTCTCGAAACGTTATCATGTGGCTGGA  
 CCACCGGGCTGTAGCCAGGTCCACAGGATTAATGAGACCAAGCAGAGTCCTTCAGTATGTGGTGGT  
 GTGATGTCTGTGGAGATGCAGGCTCCAAAGCTCCTGTGGCTGAAGGAGAACTTGAGAGAGATTTGCTGGG  
 ATAAGCGGGACATTTCTTTGATCTCCAGACTTCTTATCATGGAAGGCAACAGGTGTACAGCACGGTC  
 TCTCTGCTCCTTGGTGTCAAATGGACATACTCAGCAGAGAAAGTTGGGATGACAGCTTCTGGAAGATG  
 ATTGGACTGGAAGATCTCATTGATGATAATTACAGCAAAATAGGAAACCTCGTGTGGCTTCTGGAGCTG  
 CTCTTGAATTGGGCTCACACCAGAAGCAGCCAGAGAGCTGGGTCTTCTTCAGGAATTGCAGTGGCAGC  
 CTACTIONTATTGATGCCCATGCAGGAGGACTAGGAGTGATTGGGGCAGATGTGAGAGGTACCGGGCTTACC  
 TGTGAGGGACAGCCAGTGACGTCAAGGCTGGCTGTCTGTGGAACATCATCTTGTACATGGGGATCA  
 GCAAAGATCCAGTGTGGTACCAGGTGTCTGGGACCTTATTATTCAGCCATGGTCCCTGGGTTCTGGTT  
 GAATGAAGGTGGTCAGAGTGTGACTGGAAAATTGATAGACCATATGGTGCAGGGCCATCTGCCTTCTCT  
 GAACTACAAGCCAAGGCCACAGCCAGATGCCAGAGTATATATGCATATTTGAATAGTCACTGGACTGA  
 TTAAGAAGGCTCAGCCTGTGGTTTTCTCACTGTTGATTTACATGTTTGGCCAGATTTCCATGGCAACCG  
 GTCTCCCTTAGCAGATCTGACTCTGAAGGCATGGTCACTGGATTGACGCTGTCTCAGGACCTTGATGAT  
 CTGGCCATCCTCTACCTGGCCACTGTTCAAGCCATTGCTTTTGGGACTCGCTTATCATTGAAACAATGG  
 AGGCAGCAGGGCACTCTCTCAGTACCCTCTTCTTATGTGGAGGCCTAAGCAAGAATCCGCTTTTTGTGCA  
 AATGCATGCTGACATTACTGGCATGCCTGTGGTCTGTACAAGAGGTGGAGTCTGTCTCGTGGGAGCT  
 GCTATTCTGGGTGCCTGTGCCTCAGGGGACTTCACTTCTGTGCAGGAGGCAATGGCAAGGATGAGCAAAG  
 TGGGGAAAGTCGTGTTCCGGAACATGCTGATAAAAAATATTATGACAAGAAATATCAAGTGTCTGAG  
 AATGGTTGAGCACCAGAAGGAGTATTACGAATCATGAATGGAAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219072 representing NM\_001113412  
 Red=Cloning site Green=Tags(s)

MMSGRDQEPSRYVYVGVGIDVGTGSVRAALVDQRLLLLAF AEQPIKKWEPQFNHHEQSSEDIWAACCLVTKEV  
 VQGIDAHRI RGLGFDATCSLVLDKEFHPLPVNHEGDSSRNVIMWLDHRAVSQVHRINETKHRVLYQVVG  
 VMSVEMQAPKLLWLKENLREICWDKAGHFDFLPDFLSWKATGVTARSLCSLVCKWTYSAEKGWDDSFWM  
 IGLEDLIDDNYSKIGNLVLLPGAALGIGLTPEAARELGLPSGIAVAASLIDAHAGGLGVI GADVRGHGLT  
 CEGQPVT SRLAVICGTSSCHMGI SKDPVFPVGVWGPYYSAMVPGFWLNEGGQSVTGKLI DHMVQGHFAFP  
 ELQAKATARCQSIYAYLN SHLDLIKKAQPVGFLTVDLHVWPDFHGNRSP LADLTLKGMVGTLSQDLDD  
 LAI LYLATVQAI AFGRFII IETMEAAGHSLSTLFLCGGLSKNPLFVQMHADITGMPVVL SQEVESVLVGA  
 AILGACASGDFTSVQEAMARMSKVGKVVPEHADKKYDKKYQVFLRMVEHQKEYSAIMNGS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

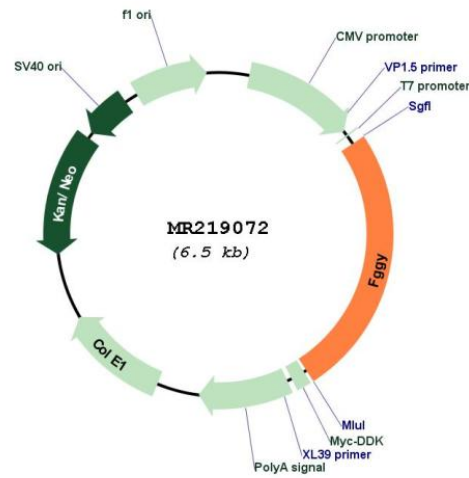
Cloning Scheme:

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_001113412
<b>ORF Size:</b>	1656 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001113412.1</a> , <a href="#">NP_001106883.1</a>
<b>RefSeq Size:</b>	1904 bp
<b>RefSeq ORF:</b>	1659 bp
<b>Locus ID:</b>	75578
<b>UniProt ID:</b>	<a href="#">A2A1L3</a>
<b>Cytogenetics:</b>	4 C5
<b>MW:</b>	60.8 kDa