

Product datasheet for **MG215633**

Fgd3 (NM_015759) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fgd3 (NM_015759) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Fgd3
Synonyms:	5830461L01Rik; ZFYVE5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215633 representing NM_015759
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAATTGGGTAGGAGCTCCTCGACACCCCAAGAAGAAGCCATTCCCCTCTTGGAGTACTTGGCACTG
 GGCCAGCAGCTCCCCTAGGGAAGCTTCAAGCCCTCCCATCGGTCCAGGTGCCACCCTGTTGGGCTCA
 TAGCAGCTCAGCCCCAGCAGGGGACAGCTCCACGCGGGAGCCAAGTGGTGCCATGAAGATCCCCAACAGA
 GACAGTGGAAATTGACAGCCCATCCTCCAGTGTGGCCAGTGAGAACTTCCCCTGTGAGGAGAGCAGTGAGG
 GCTCTCCAAGCCCTGCCATCCTGGGGCTACCCTCTGAGACGGCTTCGGACAGCCGGTCCCACAGGACAA
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 GAGGATGTCAGCTTGACTCAGTGTCTGACCCACAGAAGCTGTTTCATATTGCCAGGAGCTCTGCACA
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 GATCCCCTGGAAGTACCACCGGCATCTTCTCGAACATCTTCCATCTACCGTTTCCATGGGCAGTTC
 CTCTGCCCGAGCTGCAGAAGAGGATCACAGAGGAGTGGGATACAAACCTCGCCTCGGAGACATCCTGC
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 CCGGGATCGAGTCCAGAAAGTCGCTCTAAAACAAGACGCGACAAGAGAAGCCCGGTGTAAGAGCTG
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 TGCTGTATAGCATCCCACTCTCTGGCTGTAATATAACGATGCCTGACCCTGAGGAGGGGCTGGAGGCAGG
 ATGTGCCTGGAAGCTACATCAGGGCTCACAGACCTGGTGGCTGAGCGCCCCCTCCACAAAGCTGCAGCAA
 TGCTGGCTGAAAGCCCTGGGCACTGCCGTACATGGGGACACAGCCGGGGACAGACCAGGGGCTCCACAGC
 CCCAGGCCCCAGCAGGCACGGACTCCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG215633 representing NM_015759
 Red=Cloning site Green=Tags(s)

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MELGRSSSTPQEEAISPLGVLGTGPSSSPLGKLQALPIGPGAHRGAHSSAPAGDSSTREPSGAMKIPNR
DSGIDSPSSSVASENFPCEESSESGSPSPAILGLPSETASDSRVPQDNPQEEEDSGVGEEDPKVTLFRPQ
EDVSLTQCSDPQKLLHIAQELLHTEEAAYVKRLHLLDQVFTKLTEAGIPLVTTGIFSNISSIYRFHGQF
LLPELQKRITTEWDTNPRLGDILQKLAPFLKMYGEYVKNFDRAMGLVSTWTQRSPQFKDVIHTIQKQEV
GNLTLQHMHLEPVQRVPRYELLKDYLRKLRDAPDRKDAERSLELIISTAADHSNAAIRKMEKMHKLLLEV
YEQLGGEEDIVNPANELIKEGSIQKLSAKNGTTQDRHLFLFNNVMLYCVPKLRMLMGQKLSVREKMDISDL
QVQDIVKPNAACTFIITGRKRSLELQTRTEEEKKEWIQVIQATVEKHKQKSETFRAFGGACSQDEEPTLS
PDQPVMSTSSVEPAGVADSNNGTPIESRKSSTKTRRDKKEKPGCKSCGETFNSITKRRYRCKLCGEVICR
KCSEFKAENSKQSRVCRECFLEEPLVPPSPSSETPTTELKQNAEKPPSVDPRPRLCGTLNLSDDGTTWNE
VWAAIPESDPQVLDLLAGSQAGRLLYSIPLSGCNITMPDPEEGLEAGCAWKLHQGSQTWWLSAPSTKLQQ
CWLKALGTAVHGDTAGDRPGASQPQAPAGTDTP
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_015759

ORF Size: 2199 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_015759.2](#), [NP_056574.2](#)

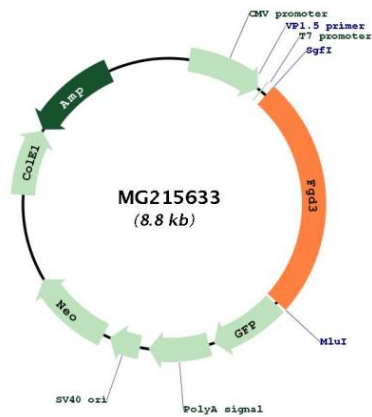
RefSeq Size: 3110 bp

RefSeq ORF: 2202 bp

Locus ID: 30938

Cytogenetics: 13 25.18 cM

Product images:



Circular map for MG215633