

Product datasheet for **MC224153**

Gigyf2 (NM_001110212) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gigyf2 (NM_001110212) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gigyf2
Synonyms:	2610016F01Rik; A830080H02Rik; AI852361; AW259676; BC006835; mKIAA0642; Tnrc15
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224153 representing NM_001110212 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCAGCAGAAACACAGACACTAAACTTTGGGCCTGAATGGCTCCGTGCTCTGTCCAGTGGTGGGAGTA
TCAGTCCCCTCCTTTCTCCGGCCCTGCCAAAGTATAAATTAGCAGATTATCGATATGGCCGAGAAGA
AATGTTAGCACTTTTCCCTAAAGACTACAAGATACCCTTTGATCTTCTGGAGAAAGAATCTGCCTATC
CTACAGGAGGAGCCCTTGCCACCATTGGCTCTAGTACCCTTTACAGAAGAAGAGCAGAGAAACTTTTCCA
TGCTGTAAATAGTGCCGCTGTCCTGCGATTGACAGGACGAGGAGGAGGAGGAGAACAGTGGTGGGGGC
TCCTAGAGGTGCAAGTCTTCAAGAGGGCGAGGCAGAGGTAGAGGTGAATGTGGTTTCTACCAAAGAAGT
TTTGATGAAGTAGAGGGTGTGTTTGGGCGAGGAGGTGGCAGGAAATGCATAGATCAGAGCTGGGAAAG
AAAGGGGTGACAGGCGCTTTGAAAACCAGGAAGAAAAGATGTAGGGAGACCAAATTTTGGAGAAAGTGG
ACCAACGTCTGTGGGAGAAAGCATGAATTTATACGGTCAGAAAGTAAAAGTGGCGAATCTTTAGAGAG
GAACAGAATGGAGAAGATGAAGATGGAGTTGGCGTTAGCTGGATCAAGAAGGGATGGAGAGAGATGCC
GGCCTCACAGTCTGGCTGGCGGGAACACATGGAACGCCGTCGGAGGTTTGAGTTTGATTTTCGAGACCG
AGATGATGAGCGTGGTTACCGAAGGGTGCCTCTGGCAGTGGGAGCATAGATGACGACAGGGATAGCTTG
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GGGAGAAAACAGACAGAGCAGGGGCTGAAGCTAGTGAGGAAGTACCTCAGACGTCATTGTCATCTGCTA
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TCATCCTGTGCGCTCCTGTTCTACTCCTAGTTTGCCTCTCGGCCAGTTGAGACAGCAGCCGTCGAAGC
TCTGGTATGAGCAGTGTTCACAGAGCCAGATGATGAAGAGGGCCTCAAACACTTGAAACAGCAAGCT
GAGAAGATGGTGGCTTATCTCCAAGACAGTGCCTAGACGACGAAAGATTGACATCAAACCTGCAAGAGC



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ACCGAGCTAAAGGAGTGTCAATCCCCTGATGCATGAAGCAATGCAGAAGTGGTATTACAAAGACCCTCA
 GGGGAGATTCAAGTCCCTTTAAACAATCAGGAGATGGCCGAGTGGTTTCAGGCGGGCTATTTTACTATG
 TCTTTGCTGGTGAAGAGAGCATGTGATGAAAGCTTCCAGCCCCTTGGTATATCATGAAAATGTGGGAA
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 TGTGTCAGTGCCAGATACTGGCTCTATCTGGGAGCTTCAGCCAGCAGCCTCACAGCTGCAGTTTGGGAA
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 AGCAAGAGATTGCGCTAAGGCGGCAGCGAGAAGAGGAGGAAAGACAGCAGCAGGAAGAAGCTCTTAGACG
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 GAGGCTGCCAAATGGGCCCGGGAAGAGGAAGAAGCCAGCGCCGACTGGAAGAGAACCGGCTGCGCATGG
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 CAACGCCAGTCTCAGTAAATCTGTAGGTGTGTCTAACCGCAGAAATAAGAAAGTAGAAGAAGAAGAAAAG
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 ATGCCCTTAATACGGCAAATAACTTGGATGTTCCACGTTTGTCTTTCTTGAAGAAGTGGAGTCTCC
 TTATGAAGTCCATGACTATACCAGGGCCTATTTAGGAGATACTCCGAGGCCAAGGATTTGCCAAGCAG
 TTCCTTGAACGCCGTGCCAAACAGAAAGTCAACCAGCAGCGTCAGCAGCAGCAGCAGCAGCAGCAGCAGC
 AGGACTCTGTCTGGGGATGAACCATAGTACACTCCATTCGGTATTTAGACCAATCAAAGCAACAACCA
 ACAATCAAATTTTGGAGCTGTGCAAGTGGCAAGAAGAAGAAAAGCAGAAGATGGTTCCAGCAGATCCC
 AGTTTATTAGGGTTTTAGTCAACGCCTCGTCAGAGCGACTGAACATGGGTGAGATTGAGACTCTGGATG
 ACTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001110212
- Insert Size:** 3858 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001110212.2](#), [NP_001103682.1](#)

RefSeq Size: 5725 bp

RefSeq ORF: 3858 bp

Locus ID: 227331

UniProt ID: [Q6Y7W8](#)

Cytogenetics: 1 C5- D

Gene Summary: Key component of the 4EHP-GYF2 complex, a multiprotein complex that acts as a repressor of translation initiation (PubMed:26763119). In 4EHP-GYF2 the complex, acts as a factor that bridges EIF4E2 to ZFP36/TTP, linking translation repression with mRNA decay (PubMed:26763119). May act cooperatively with GRB10 to regulate tyrosine kinase receptor signaling, including IGF1 and insulin receptors (PubMed:12771153).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) uses an alternate splice site in the coding region compared to variant 1. The resulting protein (isoform b) is shorter but has the same N- and C- termini compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.