

Product datasheet for MC224175

Gigyf2 (NM_146112) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Gigyf2
Synonyms:	2610016F01Rik; A830080H02Rik; AI852361; AW259676; BC006835; mKIAA0642; Tnrc15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224175 representing NM_146112 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCAGCAGAAACACAGACACTAACTTTGGGCCTGAATGGCTCCGTGCTCTGTCCAGTGGTGGGAGTA
TCACGTCCCCTCCTCTTCTCCGGCCCTGCCAAAGTATAAATTAGCAGATTATCGATATGGCCGAGAAGA
AATGTTAGCACTTTTCTTAAAGACTACAAGATACCCCTTGATCTTCTGGAGAAAGAATTCTGCCTATC
CTACAGGAGGAGCCCTTGCCACCATGGCTCTAGTACCCTTTACAGAAGAAGAGCAGAGAACTTTTCCA
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TCCTAGAGGTGCAAGTTCTTCAAGAGGGCGAGGCAGAGGTAGAGGTGAATGTGGTTTCTACCAAAGAAGT
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CATCAAACTGCAAGAGCACCGAGCTAAAGGAGTGTCAATCCCACTGATGCATGAAGCAATGCAGAAGTG
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CAGCAGCAACAGCAGCAGCAACAGCTTGCACAATGAAGCTTCCCTCTTCGTCACCTGGGGTCAAGT
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GAAAGAAGTGGAGTCTCCTTATGAAGTCCATGACTATACCAGGGCCTATTTAGGAGATACTTCCGAGGCC
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AGATTGAGACTCTGGATGACTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_146112
Insert Size:	3876 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_146112.4 , NP_666224.3
RefSeq Size:	5743 bp
RefSeq ORF:	3876 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 (1) represents the longer transcript and encodes the longer protein (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.