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Product datasheet for MC223327

Gigyf1 (NM_031408) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gigyf1 (NM_031408) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gigyf1
Synonyms:	mKIAA4110; Perq1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC223327 representing NM_031408
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCAGAGACACTCAACTTTGGGCCTGAGTGGCTGAGAGCCCTTTCGAGTGGTGGCAGCGTGGCCT
CTCCACCCCCATCTCCTGCCATGCCCAAATACAAGCTGGCAGATTACCGCTATGGGCGAGAGGAGATGCT
GGCCCTCTATGTCAAGGAGAACAAGGTCCCGGAGGAACTACAGGACAAGGAGTTTGCTGCAGTGTTACAA
GAGGAACCGCTGCAACCTCTGGCTCTGGAGCCTCTGACTGAGGAGGAGCAGAGAAACTTCTCGCTGTCGG
TGAACAGTGTGGCTGTGCTGAGACTGATGGGGAAAGGGGCTGGGCCCCCTTTGCCTGCCACCTCCCGTGG
CAGGGGCAGCACTCGGAGCCGAGGGCGAGGCCGTGGTGACAGCTGCTTTTACCAAAGAAGCATTGAGGAA
GGCGATGGGGCCTTCGGAAGGAATCCTCGGGAGATCCAGCGAAGCCAAAGCTGGGATGACAGAGGCGAGA
GGCGGTTTGAGAAGCCTGCAAGGAGGGATGGAGTACGGTCTGGCTTTGAGGAGGGAGGGGCTGGCCCAAG
GAAGGAGCATGCACGCTCAGACAGTGAGAATTGGCGCTCACTTCGAGAGGAGCAAGAGGATGATGGCAGC
TGGAGACTTGGGGCGGGACCCCGGCGAGATGGTGATCGCTGGCGTTCCACCAGCCCTGATGGTGGTCCCC
GCTCTGCTGGCTGGCGGGAGCATGGGGAGCGGAGGCGCAAGTTTGATTTTGATTTGCGAGGGGAGCGCGG
AGGGTGTGGTGAAGAGGATGGGCGGGTTGGGGGCGGCAACTCTCACCTCCGGAGATGCCGGGGGCTCGAT
GGCTTTGAAGATGACAAGGATGGGCTCCCCGAGTGGTGCCTGGAGGATGAGGATGAGGAGATGGGCACTT
TCGATGCCTCCGGAGCCTTCCTGCCCCTTAAGAAGGGCCCCAAGGAAGCCATCCCTGAGGAGCAGGAGCT
TGATTTCCGGGGCCTGGAGGAGGAGGAGGAGGAGGAGGAGGAGCCGTCAGAAGGGGTGGATGAAGAGAGG
CCTGAGGCAGGAGGGAAGGAGGCAACCCCATTGCCGCCTCCAGAGAACTCCAGCTCACCGTCTTCACTGC
CAGCCTTGGGTCCTCTCTGGACGACAAATGAGGAGGGTGGTGAGGCAGTGGAGAAAGAGCTGCCTCCTGC
TGAAGGTGACGAGTTGAGGGGACTGTCTCTGAGTCCTAGAATCAGTTCACCTCCTGGCCCACCTGGAGAT
CTAGAAGACGAAGAAGGCTTGAAGCACTTGCAGCAGGAGGCAGAGAAGCTGGTGGCCTCCCTGCAGGACA
GCTCCCTGGAGGAGGAGCAGTTCACCGCTGCCATGCAAACCCAGGGCCTCCGCCACTCCACAGCTGCCAC
TGCCCTTCCCCTCAGCCATGGCGCTGCCCGAAAGTGGTTCTACAAGGACCCACAGGGGGAAATCCAAGGC

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CCTTTCACGACCCAGGAGATGGCTGAGTGGTTCCAGGCTGGCTACTTCTCCATGTCACTCTTAGTGAAGA
GGGGCTGCGATGAGGGTTTCCAGCCTCTGGGAGAGGTGATCAAGATGTGGGGCCGTGTGCCCTTTGCCCC
AGGGCCCTCGCCACCCCCGCTGCTGGGCAACATGGATCAGGAGCGGCTGAAGAAGCAGCAGGAGCTGGCT
GCGGCAGCCCTGTACCAGCAGCTGCAGCACCAGCACTTTCTGCAGCTGGTTGGCAGCCGCCAGCTCCCGC
AGTGTACGACGCTCCGGGAAAAGGCAGCTATGGGGGACCTGACGCCGCCGCAGCAGCAGCAGCTCACTAC
GTTCCTGCAGCAGCTCCAGGCTCTCAAAACCCCCAGAGGTGGAGACCAGAACCTGCTCCCGACGATGAGC
CGGTCCTTGTCGGTGCCAGATTCAGGCCCCCTCTGGGACTTACATACCTCAGCTTCATCACAGTCAGGTG
GTGAGGCCAGTCTTTGGGACATACCAATTAACTCTTCGACTCAGGGTCCAATTCTAGAACAGCTCCAACT
GCAGCATAAATTTCAAGAGCGCAGAGAAGTGGAGCTCAGGGCGAAGCGGGAGGAGGAGGAGCGCAAACGA
CGGGAGGAGAAGCGGCGCCAACAGCAGCAGCAGCAGGAGGAGCAGAAGCGACGGCAGGAAGAGGAGGAGC
TCTTTCGGCGCAAGCAGGTACGGCAGCAGGAATTGTTGCTGAAGCTGCTACAGCAGCAGCAAGCGACGAA
TGTCCCTGTGCCCCCTGCACCCAGCTCCCCACCCCCGCTCTGGGCTGGCCTAGCCAAGCAGGGCCTGTCC
ATGAAGACTCTGCTGGAGCTGCAGATGGAAAGTGAGCGCCAACTGCACAAGCAGGCGGCACCGCGGGAGC
CTCTGCGGGCCCAGGCCCCCAACCACCGAGTGCAGCTTGGGGGCTTGGGCTCTGCCCCTCTGAACCAGTG
GGTGTCTGAGGCTGGGCCACTATGGGGCGGGCCAGACAAGAGTGGGGGCAGCAGCGGTGGCAACCTGGGA
CTCTGGGAAGATACTCTCAAGAGTGGCGGGAGCCTGGCCCGAAGCCTGGGCCTGAAGAGCAGTCGGAGCA
GCCCGTCTCTCAGTGACTCGTACAGCCACCTGTCAGGCCGACCTGTTCGCAAAAAGACAGAAGAGGAAGA
GAAGTTGCTGAAGCTGCTGCAGGGCATCCCTCGGCCCCAGGACGGCTTCACGCAGTGGTGTGAGCAAATG
CTGCACACCCTGAGCACTGCGGGCAGCCTAGACGTTCCCATGGCTGTCGCCATCCTCAAGGAGGTGGAGT
CCCCTTACGATGTCCATGATTATATTCGTTCCTGCCTGGGGGACACGCTGGAAGCCAAAGAATTTGCCAA
ACAATTCCTGGAGCGGAGGGCCAAGCAGAAAGCCAGCCAACAGCGGCAGCAGCAGCAGCAGCAGCAG
CAGCAGCAGCAGGAGGCCTGGCTGAGCAGCACCTCCCTACAGACAGCCTTTCAGGCCAACCACAGCACCA
AACTGGGCCCTGGGGAGGGCAGCAAGGCCAAAAGGCGGGCACTGATGCTTCACTCCGACCCTAGCATCTT
GGGGTACTCCCTGCACGGCCCTTCCGGTGAGATCGAGAGCGTGGATGACTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031408

Insert Size: 3135 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_031408.2, NP_113596.2
RefSeq Size:	5453 bp
RefSeq ORF:	3135 bp
Locus ID:	57330
UniProt ID:	Q99MR1
Cytogenetics:	5 G2
Gene Summary:	May act cooperatively with GRB10 to regulate tyrosine kinase receptor signaling. May increase IGF1 receptor phosphorylation under IGF1 stimulation as well as phosphorylation of IRS1 and SHC1.[UniProtKB/Swiss-Prot Function]