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Product datasheet for SC318456

GIGYF1 (NM_022574) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GIGYF1 (NM_022574) Human Untagged Clone
Tag:	Tag Free
Symbol:	GIGYF1
Synonyms:	GYF1; PERQ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318456 representing NM_022574. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCAGCAGAGACACTCAACTTTGGGCCTGAGTGGCTCAGGGCCCTGTCCGGGGGCGGCAGCGTGGCC
TCCCCACCCCCGTCCCCTGCCATGCCCAAATACAAGCTGGCTGACTACCGTTATGGGCGAGAGGAAATG
CTGGCTCTCTACGTCAAGGAGAACAAGGTCCCGGAAGAGCTGCAGGACAAGGAGTTCGCCGCGGTGCTG
CAGGACGAGCCACTGCAGCCCCTGGCTCTGGAGCCGCTGACTGAGGAGGAACAGAGAAACTTCTCCCTG
TCAGTGAACAGCGTGGCTGTGCTGAGGCTGATGGGGAAAGGGGCTGGCCCCCCCCCTGGCTGGCACCTCC
CGAGGCAGGGGCAGCACGCGGAGCCGAGGCCGCGGCCGTGGTGACAGCTGCTTTTACCAAAGAAGCATC
GAAGAAGGCGATGGGGCCTTTGGACGAAGCCCCCGGGAAATCCAGCGCAGCCAGAGCTGGGATGACAGA
GGCGAGAGGCGGTTTGAGAAGTCAGCAAGGCGGGATGGAGCACGATGTGGCTTTGAGGAGGGAGGGGCT
GGCCCAAGGAAGGAGCACGCCCGCTCAGACAGCGAGAACTGGCGCTCCCTACGGGAGGAACAGGAGGAG
GAGGAGGAGGGCAGCTGGAGGCTCGGAGCAGGGCCCCGGCGAGACGGCGACCGCTGGCGCTCCGCCAGC
CCTGATGGTGGTCCCCGCTCTGCTGGCTGGCGGGAACATGGGGAACGGCGGCGCAAGTTTGAATTTGAT
TTGCGAGGGGATCGAGGAGGGTGTGGTGAAGAGGAGGGGCGGGGAGGGGGAGGCAGCTCTCACCTGCGG
CGGTGCCGAGCGCCTGAAGGCTTTGAGGAGGACAAGGATGGGCTCCCAGAGTGGTGCCTGGACGATGAG
GATGAAGAAATGGGCACCTTTGATGCCTCTGGGGCCTTCTTGCCTCTCAAGAAGGGCCCCAAGGAGCCC
ATTCCTGAGGAGCAGGAGCTGGACTTCCAAGGGTTGGAGGAGGAGGAGGAACCTTCCGAAGGGCTAGAG
GAGGAAGGGCCTGAGGCAGGTGGGAAAGAGCTGACCCCACTGCCTCCTCAGGAGGAGAAGTCCAGCTCC
CCATCCCCACTGCCCACCCTGGGCCCACTCTGGGGGACAAACGGGGATGGGGACGAAACTGCAGAGAAA
GAGCCCCCAGCGGCCGAAGATGATATTCGGGGGATCCAGCTGAGTCCCGGGGTGGGCTCCTCTGCTGGC
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TCCCTGCAGGACAGCTCCTTGGAGGAGGAGCAGTTCACGGCTGCCATGCAGACCCAGGGCCTGCGCCAC
TCTGCAGCCGCCACTGCCCTCCCGCTCAGCCATGGGGCTGCCCGGAAGTGGTTCTACAAGGACCCACAG
GGCGAGATCCAAGGCCCCTTCACGACACAGGAGATGGCAGAGTGGTTCCAGGCCGGCTACTTTTCCATG

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TCACTGCTGGTGAAGCGGGGCTGCGATGAGGGCTTCCAGCCGCTGGGCGAGGTGATCAAGATGTGGGGC
CGCGTGCCCTTTGCCCCAGGGCCCTCACCTCCCCCACTGCTGGGAAACATGGACCAGGAGCGGCTGAAG
AAGCAACAGGAGCTGGCCGCGGCGGCCTTGTACCAGCAGCTGCAGCACCAGCAGTTTCTCCAGCTGGTC
AGCAGCCGCCAGCTCCCGCAGTGCGCGCTCCGAGAAAAGGCAGCTCTGGGGGACCTGACACCGCCACCA
CCGCCGCCGCCACAGCAGCAGCAGCAGCTCACGGCATTCCTGCAGCAGCTCCAGGCGCTCAAACCC
CCCAGAGGCGGGGACCAGAACCTGCTCCCGACGATGAGCCGGTCCTTGTCGGTGCCAGATTCGGGCCGC
CTCTGGGACGTACATACCTCAGCCTCATCACAGTCAGGTGGTGAGGCCAGTCTTTGGGACATACCAATT
AACTCTTCGACTCAGGGTCCAATTCTAGAACAACTCCAGCTGCAACATAAATTCCAGGAGCGCAGAGAA
GTGGAGCTCAGGGCGAAGCGGGAGGAAGAGGAACGCAAGCGTCGAGAGGAGAAGCGCCGCCAGCAGCAG
CAGGAGGAGCAGAAGCGGCGGCAGGAGGAGGAAGAGCTGTTTCGGCGCAAGCACGTGCGGCAGCAGGAG
CTATTGCTGAAGTTGCTACAGCAGCAGCAGGCGGTCCCTGTGCCCCCCGCACCCAGCTCCCCGCCCCCA
CTCTGGGCTGGCCTGGCCAAGCAGGGGCTGTCCATGAAGACGCTCCTGGAGTTGCAGCTGGAGGGCGAG
CGGCAGCTGCACAAACAGCCCCCACCTCGGGAGCCAGCTCGGGCCCAGGCCCCCAACCACCGAGTGCAG
CTTGGGGGCCTGGGCACTGCCCCCCTGAACCAGTGGGTGTCTGAGGCTGGGCCACTGTGGGGCGGGCCA
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GTCCGTGGCCTCGGCCTGAAGAACAGCCGGAGCAGCCCATCTCTCAGTGACTCATACAGCCACCTATCG
GGTCGGCCCATTCGCAAAAAGACGGAGGAAGAAGAGAAGCTGCTGAAGCTGCTGCAGGGCATTCCCAGG
CCCCAGGACGGCTTCACCCAGTGGTGCGAGCAGATGCTGCACACGCTGAGCGCCACGGGCAGCCTGGAC
GTGCCCATGGCTGTAGCGATCCTCAAGGAGGTGGAATCCCCCTATGATGTCCACGATTATATCCGTTCC
TGCCTGGGGGACACGCTGGAAGCCAAAGAATTTGCCAAACAATTCCTGGAGCGGAGGGCCAAGCAGAAA
GCCAGCCAGCAGCGGCAGCAGCAGCAGGAGGCATGGCTGAGCAGCGCCTCGCTGCAGACGGCCTTCCAG
GCCAACCACAGCACCAAACTCGGCCCCGGGGAGGGCAGCAAGGCCAAGAGGCGGGCACTGATGCTGCAC
TCAGACCCCAGCATCCTGGGGTACTCCCTGCACGGATCTTCTGGTGAGATCGAGAGCGTGGATGACTAC
TGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_022574
Insert Size:	3108 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA
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_022574.3
RefSeq Size:	6329 bp
RefSeq ORF:	3108 bp
Locus ID:	64599
UniProt ID:	O75420
Cytogenetics:	7q22.1
MW:	114.6 kDa
Gene Summary:	This gene encodes a member of the gyf family of adaptor proteins. The encoded protein contains a gyf protein interaction domain. It binds growth factor receptor bound 10, another adaptor protein that binds activated insulin-like growth factor 1 and insulin receptors and regulates receptor signaling. [provided by RefSeq, Apr 2017]