

Product datasheet for **SC305038**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_022574 edited
 ATGGCAGCAGAGACTCAACTTTGGGCCTGAGTGGCTCAGGGCCCTGTCCGGGGGCGG
 AGCGTGGCCTCCCACCCCGTCCCTGCCATGCCAAATACAAGCTGGCTGACTACCGT
 TATGGGCGAGAGAAATGCTGGCTCTCTACGTCAAGGAGAACAAGTCCCGGAAGAGCTG
 CAGGACAAGGAGTTCCGCGCGGTGCTGCAGGACGAGCCACTGCAGCCCTGGCTCTGGAG
 CCGCTGACTGAGGAGGAACAGAGAACTTCTCCCTGTCAGTGAACAGCGTGGCTGTGCTG
 AGGCTGATGGGAAAGGGGCTGGCCCCCCTGGCTGGCACCTCCCGAGGCAGGGGAGC
 ACGCGGAGCCGAGGCCGCGGCCGTGGTACAGCTGCTTTTACCAAAGAAGCATCGAAGAA
 GGGCATGGGGCTTTGGACGAAGCCCCGGGAAATCCAGCGCAGCCAGAGCTGGGATGAC
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 CTACGGGAGGAACAGGAGGAGGAGGAGGGGAGCTGGAGGCTCGGAGCAGGGCCCCGG
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 CCTGAAGGCTTTGAGGAGGACAAGGATGGGCTCCAGAGTGGTGCCTGGACGATGAGGAT
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 GACAGCTCCTTGGAGGAGGAGCAGTTCACGGCTGCCATGCAGACCCAGGGCCTGCCAC
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 GACCCACAGGGCGAGATCCAAGGCCCTTACGACACAGGAGATGGCAGAGTGGTCCAG
 GCCGGCTACTTTCCATGCTCACTGCTGGTGAAGCGGGGCTGCGATGAGGGCTTCCAGCCG



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CTGGGCGAGGTGATCAAGATGTGGGGCCGCGTGCCCTTTGCCCCAGGGCCCTCACCTCCC
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GGCAGCAAGGCCAAGAGGCGGGCACTGATGCTGCACTCAGACCCAGCATCCTGGGGTAC
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_022574 unedited
GACATTTGTAATACGACTCCTATAGGGCGGCCGGAATACATGGCAGCAGAGCACTCA
ACTTTGGGCCTGAGTGGCTCAGGGCCCTGTCCGGGGCGGCAGCGTGGCCTCCCCACCCC
CGTCCCCTGCCATGCCCAAATACAAGCTGGCTGACTACCGTTATGGGCGAGAGGAATGC
TGGCTCTCTACGTCAAGGAGAACAAGGTCCCGGAAGAGCTGCAGGACAAGGAGTTCGCCG
CGGTGCTGCAGGACGAGCCACTGCAGCCCTGGCTCTGGAGCCGCTGACTGAGGAGGAAC
AGAGAACTTCTCCCTGTGAGTGAACAGCGTGGCTGTGCTGAGGCTGATGGGAAAGGGG
CTGGCCCCCCCCCTGGCTGGCACCTCCCAGGCAGGGGCGAGCAGCGGAGCCGAGGCCGCG
GCCGTGGTGACAGCTGCTTTTACCAAAGAAGCATCGAAGAAGGCGATGGGGCCTTTGGAC
GAAGCCCCGGGAAATCCAGCGCAGCCAGAGCTGGGATGACAGAGGCGAGAGGCGGTTTG
AGAAGTCAGCAAGGCGGGATGGAGCACGATGTGGCTTTGAGGAGGAGGGGCTGGCCAA
GGAAGGAGCACGCCCGCTCAGACAGCGAGAAGTGGCGCTCCCTACGGGAGGAACAGGAGG
AGGAGGAGGAGGGCAGCTGGAGGCTCGGAGCAGGGCCCCGGCGAGACGGCGACCCGCTGGC
GCTCCGCCAGCCCTGATGGTGGTCCCCGCTCTGCTGGCTGGCGGGAAACATGGGGAACGGC
GGCGCAAGTTTGAATTTGATTTGCGAGGGGATCGAGAGGTGTGGTGAAGAGAGGGCGGGG
AGGGGGAGGCCACCGCTTACCCTGCGGCGGGTGGCGACGCTGAAGGCTTTGAAGGAGG
ACAAAGGATGGGCTCCCCAGA

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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_022574 unedited CGATGAATGCACTTCCGGGCCGGAGAGGCACTGGGGAGGGGTACAGGCGCATGCCACCC GGGATCTGTTCAGGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTTTTTTTTTT TTTTTTTTTTTTTCTTAAAAAAAAAAAAAAAAAAAAACAAAAACAAAACCTCTGTGGAC CTTCCATTGTCAACCCCACTATCCTCACAGCAGGAAGGGGTGTTAGAGTCTATTTTTTA ACAATATTTTTGCCTCTCCTAATGTTTTCTTCAGTCGTTAAAAATAAAAAAAAATAAA AAAAAAAAACCCCTCCCCATTCTGAAAAGTGCCTCGTGGTGGGTGAGTTAAGGTGCATC GTGTGTTTGTAAACAAGTCTGGGGACCCCGCCCTGCCTCTTCTGTGCTCTGCGGGG AGCCTGCAGGCTGGGACCCTCGGTCCACCCGCTGTGGCTGCCCTGACAGCCAGG GGCTGGGGTCCGGGCTGGTCAGTATTCATCCACGCTCTCGATCTACCAAAAGATCCGT GCAGGGAGTACCCAGGATGCTGGGGTCTGAGTGCAGCATCAGTGCCCGCTCTTGGCT TGCTGCCCTCCCGGGCCGAGTTTGGTCTGTGGTTGGCCTGGAAGCCGTCTGCAGCG AGGCGTCTCAGCCATGCCTCCTGCTGCTGCTGCCGCTGCTGGTGGCTTTCTGCTTGG CCCTCCGCTCCAGGAATTGTTGGCAAATCTTTGGCTTCCAGCGTGTCCCAGGCAGGA ACGGATATAATCGTGGACATCATTAGGGGATTCCACCTCCTTGGAGGATCGCTACAGCCA TGGGCCACGTCCAGGCTGCCCGTGGCGCTCAGCGTGGTGCAGCATTCTGCTCCGCACCAC TGGGTGAAGCCGCTCGGGCCCTGGGAATGCCCTGGCAGCAGCTTACAGCAGCTTCTTTTC TTTCTCCGCTTTTTTGGGAAATGGG
Restriction Sites:	Please inquire
ACCN:	NM_022574
Insert Size:	3600 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<ol style="list-style-type: none"> 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_022574.2 , NP_072096.1
RefSeq Size:	3065 bp
RefSeq ORF:	2454 bp
Locus ID:	64599
UniProt ID:	O75420

Cytogenetics: 7q22.1

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]