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Product datasheet for RC213578

GIGYF1 (NM_022574) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GIGYF1 (NM_022574) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GIGYF1
Synonyms:	GYF1; PERQ1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC213578 representing NM_022574
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGCAGAGACACTCAACTTTGGGCCTGAGTGGCTCAGGGCCCTGTCCGGGGGCGGCAGCGTGGCCT
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ACGACACAGGAGATGGCAGAGTGGTTCCAGGCCGGCTACTTTTCCATGTCACTGCTGGTGAAGCGGGGCT
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Protein Sequence:

>RC213578 representing NM_022574
Red=Cloning site Green=Tags(s)

MAAETLNFGPEWLRALSGGGSVASPPPSPAMPKYKLADYRYGREEMLALYVKENKVPEELQDKEFAAVLQ
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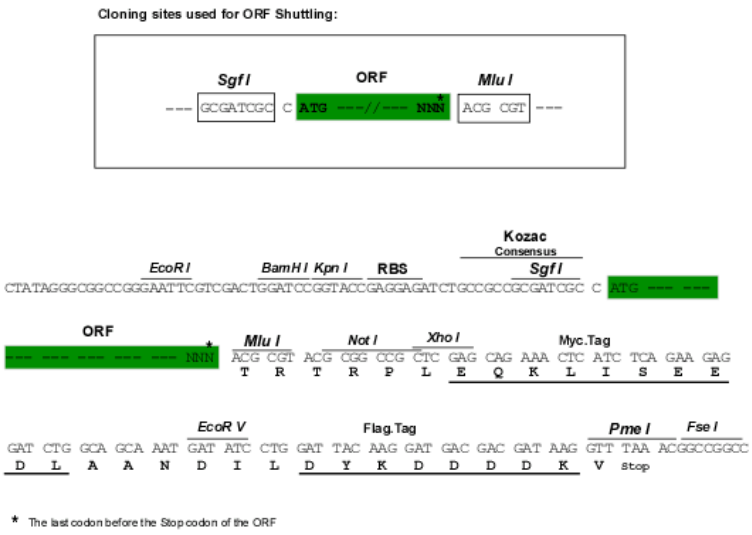
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6204_g03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



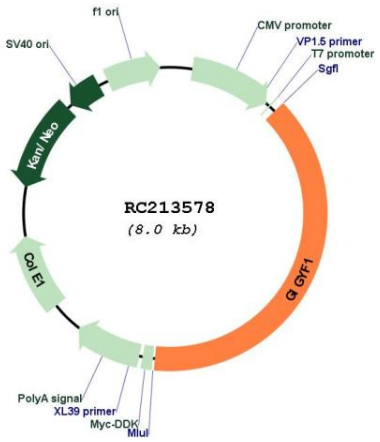
ACCN:	NM_022574
ORF Size:	3105 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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, NP_072096.2
RefSeq Size:	6329 bp
RefSeq ORF:	3108 bp
Locus ID:	64599
UniProt ID:	O75420

Cytogenetics: 7q22.1

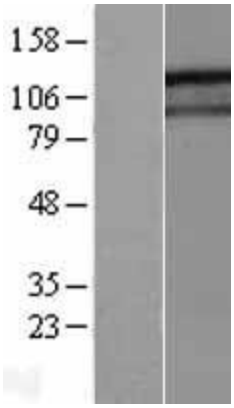
MW: 114.4 kDa

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]

Product images:



Circular map for RC213578



Western blot validation of overexpression lysate (Cat# [LY402932]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213578 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).