

Product datasheet for **SC316982**

GIGYF2 (NM_001103146) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: GIGYF2

Synonyms: GYF2; PARK11; PERQ2; PERQ3; TNRC15

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_001103146, the custom clone sequence may differ by one or more nucleotides

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ATGGCAGCGAAACGCAGACACTGAACTTTGGGCTGAATGGCTCCGAGCTCTGTCCAGT
GGTGGGAGTATTACATCCCCTCCTCTTTCTCCAGCATTGCCGAAGTATAAATTAGCAGAT
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CAACAGTTTCAGACCTTGAAGATGAGAATATCTGATCAGAACATCATTCCCTCAGTAACT
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CCGCCACAGCAGCCACAACAGCAGGACTCTGTGTGGGGATGAACCACAGTACACTCCAT
TCAGTATTTTCAAGCAATCAAAGCAACAACCAACATCCAATTTTGGGCTGTGCAGAGT
GGCAAGAAGAAGAAAAAGCAGAAGATGGTCCGAGCAGATCCAGTTTATTAGGATTTTCA
GTCAATGCATCATCGGAGCGACTCAACATGGGTGAAATCGAGACGTTGGATGACTAC

Restriction Sites:

Please inquire

ACCN:

NM_001103146

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001103146.1, NP_001096616.1</u>
RefSeq Size:	7819 bp
RefSeq ORF:	3900 bp
Locus ID:	26058
UniProt ID:	<u>Q6Y7W6</u>
Cytogenetics:	2q37.1
Gene Summary:	This gene contains CAG trinucleotide repeats and encodes a protein containing several stretches of polyglutamine residues. The encoded protein may be involved in the regulation of tyrosine kinase receptor signaling. This gene is located in a chromosomal region that was genetically linked to Parkinson disease type 11, and mutations in this gene were thought to be causative for this disease. However, more recent studies in different populations have been unable to replicate this association. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013] Transcript Variant: This variant (3) lacks an alternate exon in the 5' UTR and lacks an exon in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Both variants 2 and 3 encode the same isoform (b). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.