

Product datasheet for **RG202595**

YIPF4 (NM_032312) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YIPF4 (NM_032312) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	YIPF4
Synonyms:	FinGER4; Nbla11189
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202595 representing NM_032312 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCCTCCGGGCCGCCCGGCCTATGCCCCACTAACGGGGACTTCACCTTTGTCTCCTCAGCAG
ACGCGGAAGATCTCAGTGGTTCAATAGCATCCCCAGATGTCAAATTAATCTTGGTGAGATTTTATCAA
AGAATCTACAGCTACTACATTTCTGAGACAAAGAGGTTATGGCTGGCTTCTGGAAGTTGAAGATGATGAT
CCTGAAGATAACAAGCCACTCTTGAAGAATTGGACATTGATCTAAAGGATATTTACTACAAAATCCGAT
GTGTTTTGATGCCAATGCCATCACTTGGTTTTAATAGACAAGTGGTGAGAGACAATCCTGACTTTTGGG
TCCTCTGGCTGTTGTTCTTTTCCATGATATCATTATATGGACAGTTTAGGGTGGTCTCATGGATT
ATAACCATTTGGATATTTGGTTCACAAATTTTCTTACTGGCCAGAGTTCTTGGTGGAGAAGTTGCAT
ATGGCCAAGTCCCTGGAGTTATAGGATATTCATTACTTCTCTCATTGTAATAGCCCCTGTACTTTTGGT
GGTTGGATCATTTGAAGTGGTGTCTACACTTATAAACTGTTTGGTGTGTTTTGGGCTGCCTACAGTGCT
GCTTCATTGTTAGTGGTGAAGAATTCAAGACCAAAAAGCCTCTTCTGATTTATCCAATCTTTTTATTAT
ACATTTATTTTTGTCGTTATATACTGGTGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202595 representing NM_032312
 Red=Cloning site Green=Tags(s)

MQPPGPPPAYAPTNGDFTFVSSADAEDLSGSIASPDVKLNLGGDFIKESTATTFLRQRGYGWLLEVEDDD
 PEDNKPLLEELDIDLKDIYYKIRCVLMPMPSLGFNRQVVRDNPDFWGPLAVVLFVSMISLYGQFRVVS
 ITIWIWIFGSLTIFLLARVLGGEVAYGQVLGVIGYLLPLIIVIPVLLVVGSEFVSTLIKLFVGFVAA
 ASLLVGEFETKKPLLIYPIFLLYIYFLSLYTG

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032312

ORF Size: 732 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_032312.4](#)

RefSeq Size: 1891 bp

RefSeq ORF: 735 bp

Locus ID: 84272

UniProt ID: [Q9BSR8](#)

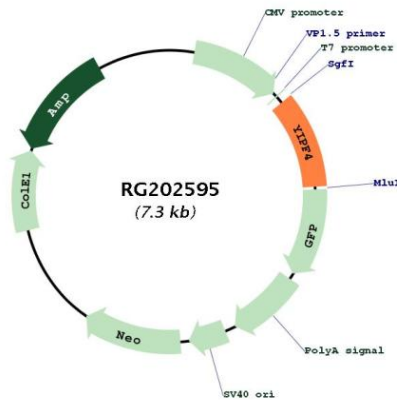
Cytogenetics: 2p22.3

Domains: Yip1

Protein Families: Transmembrane

Gene Summary: Involved in the maintenance of the Golgi structure.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG202595