

Product datasheet for **RG227675**

YIF1B (NM_001145462) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: YIF1B (NM_001145462) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: YIF1B
Synonyms: FinGER8
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG227675 representing NM_001145462
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCCGACCCCCACCAGCTTTTCGATGACACAAGTTCAGCCCAGAGCCGGGGCTATGGGGCCAGCGGG
CACCTGGTGGCCTGAGTTATCCTGCAGCCTCTCCACGCCCATGCAGCCTTCTGGCTGACCCGGTGTC
CAACATGGCCATGGCCTATGGGAGCAGCCTGGCCGCGCAGGGCAAGGAGCTGGTGGATAAGAACATCGAC
CGCTTCATCCCCATACCAAGCTCAAGTATTACTTTGCTGTGGACACCATGTATGTGGGCAGAAAGCTGG
GCCTGCTGTTCTCCCTACCTACACCAGGACTGGGAAGTGCAGTACCAACAGGACACCCGGTGGCCCC
CCGCTTTGACGTCAATGCCCGGACCTCTACATCCAGCAATGGCTTTCATCACCTACGTTTTGGTGGCT
GGTCTTGCCTGGGGACCCAGGATAGGTTCTCCCCAGACCTCCTGGGGCTGCAAGCGAGCTCAGCCCTGG
CCTGGCTGACCCTGGAGGTGCTGGCCATCCTGCTCAGCCTCTATCTGGTCACTGTCAACACCGACCTCAC
CACCATCGACCTGGTGGCCTTCTGGGCTACAAATATGTGGGATGATTGGCGGGTCTCATGGCCCTG
CTCTTCGGGAAGATTGGCTACTACCTGGTGTGGGCTGGTGTGCGTAGCCATCTTTGTGTTTATGATCC
GGACGCTGCGGCTGAAGATCTTGGCAGACGCAGCAGCTGAGGGGGTCCCGGTGCGTGGGGCCCGGAACCA
GCTGCGCATGTACCTGACCATGGCGGTGGCGGCCGCGCAGCCTATGCTCATGTACTGGCTCACCTCCAC
CTGGTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227675 representing NM_001145462
 Red=Cloning site Green=Tags(s)

MADPHQLFDDTSSAQRGYGAQRAPGGLSYPAASPTPHAAFLADPVSNMAMAYGSSSLAAQKELVDKNID
 RFIPITKLKYYFAVDTPMYVGRKLGLLFFPYLHQDWEVQYQDTPVAPRFDVNAPDLYIPAMAFITYVLVA
 GLALGTQDRFSPDLLGLQASSALAWLTLEVLAILLSLYLVTVNTDLTTIDLVAFLGYKYVGMIGGVLMLG
 LFGKIGYYLVLGWCCVAIFVFMIRTLRLKILADAAAEGVPVRGARNQLRMYLTMVAAAQPMMLMYLTFH
 LVR

TRTRPLE - GFP Tag - V

Restriction Sites:

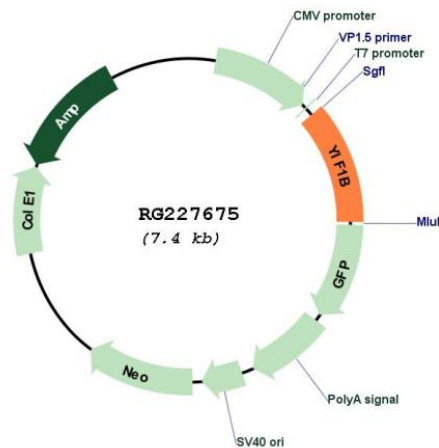
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001145462

ORF Size: 849 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:	<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_001145462.2
RefSeq Size:	2764 bp
RefSeq ORF:	852 bp
Locus ID:	90522
UniProt ID:	Q5BJH7
Cytogenetics:	19q13.2
Protein Families:	Transmembrane
Gene Summary:	Involved in the anterograde traffic pathway from the endoplasmic reticulum to the plasma membrane and the organization of the Golgi architecture (By similarity). Plays a key role in targeting to neuronal dendrites receptors such as HTR1A (By similarity).[UniProtKB/Swiss-Prot Function]