

Product datasheet for **RG227660**

YIF1B (NM_001145461) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: YIF1B (NM_001145461) 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: >RG227660 representing NM_001145461
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCAGCCTCGAAGCGGAGGATCCCTGTGTCCCAGCCGGGCATGGCCGACCCCCACCAGCTTTTCGATG
 ACACAAGTTCAGCCAGAGCCGGGGCTATGGGGCCAGCGGGCACCTGGTGGCCTGAGTTATCCTGCAGC
 CTCTCCCAGCCCCATGCAGCCTTCCTGGCTGACCCGGTGTCCAACATGGCCATGGCCTATGGGAGCAGC
 CTGGCCGCGCAGGCAAGGAGCTGGTGGATAAGAACATCGACCGTTCATCCCCATACCAAGCTCAAGT
 ATTACTTTGCTGTGGACACCATGTATGTGGCAGAAAGCTGGGCCTGCTGTTCTTCCCCTACCTACACCA
 GGACTGGGAAGTGCAGTACCAACAGGACACCCCGTGGCCCCCGCTTTGACGTCAATGCCCCGGACCTC
 TACATTCCAGCAATGGCTTTCATCACCTACGTTTTGGTGGCTGGTCTTGCCTGGGGACCCAGGATAGGT
 TCTCCCCAGACCTCCTGGGGCTGCAAGCGAGCTCAGCCCTGGCCTGGCTGACCCTGGAGGTGCTGGCCAT
 CCTGCTCAGCCTCTATCTGGTCACTGTCAACACCGACCTCACCACCATCGACCTGGTGGCCTTCTGGGC
 TACAAATATGTCGGGATGATTGGCGGGTCTCATGGCCTGCTCTCGGGAAGATTGGCTACTACCTGG
 TGCTGGGCTGGTGTGCGTAGCCATCTTGTGTTCATGATCCGGACGCTGCGGCTGAAGATCTTGGCAGA
 CGCAGCAGCTGAGGGGTCCCGTGCCTGGGGCCCGGAACCAGCTGCGCATGTACCTGACCATGGCGGTG
 CGGGCGGCGCAGCCTATGCTCATGTACTGGCTCACCTTCCACCTGGTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227660 representing NM_001145461
Red=Cloning site Green=Tags(s)

MPASKRRIPVSQPGMADPHQLFDDTSSAQRGYGAQRAPGGLSYPAAASPTPHAAFLADPVSNMAMAYGSS
 LAAQKGELVDKNIDRFIPITKLYFFAVDTMYVGRKLGLLFFPYLHQDWEVQYQQDTPVAPRFDVNAPDL
 YIPAMAFITYVLVAGLALGTQDRFSPDLLGLQASSALAWLTLEVLAILLSLYLVTNTDLTTIDLVAFLG
 YKYVGMIGGVLGMLLFGKIGYYLVLGWCCVAIFVFMIRTLRLKILADAAAEGVPRGARNQLRMYLTMAY
 AAAQPMLMYWLTFFHLVR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001145461

ORF Size: 891 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_001145461.2](#)

RefSeq Size: 2788 bp

RefSeq ORF: 894 bp

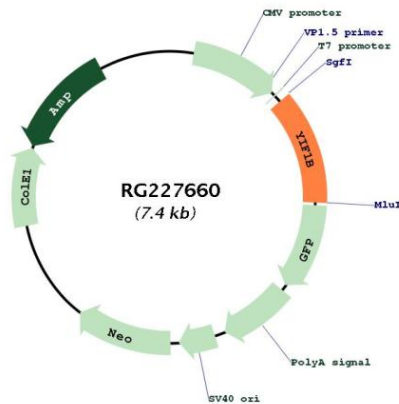
Locus ID: 90522

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]

Product images:



Circular map for RG227660