

Product datasheet for **RG213819**

YIF1B (NM_001039673) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	YIF1B (NM_001039673) 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:	>RG213819 representing NM_001039673 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCACCCGGCAGGCTTGGCGGGCGGCTGCGGGGACGCCCCGGCTGCCCTCGAAGCGGAGGATCCCTG
TGTCCCAGCCGGGCATGGCCGACCCCCACCAGCTTTTCGATGACACAAGTTCAGCCAGAGCCGGGGCTA
TGGGGCCAGCGGCACCTGGTGGCCTGAGTTATCCTGCAGCCTCTCCACGCCCCATGCAGCCTTCCTG
GCTGACCCGGTGTCCAACATGGCCATGGCCTATGGGAGCAGCCTGGCCGCGCAGGGCAAGGAGCTGGTGG
ATAAGAACATCGACCGCTTCATCCCATACCAAGCTCAAGTATTACTTTGCTGTGGACACCATGTATGT
GGGCAGAAAGCTGGCCCTGCTGTTCTTCCCTACCTACACCAGGACTGGGAAGTGCAGTACCAACAGGAC
ACCCCGGTGGCCCCCGCTTTGACGTCAATGCCCGGACCTCTACATTCCAGCAATGGCTTTCATCACCT
ACGTTTTGGTGGCTGGTCTTGGCTGGGGACCCAGGATAGGTTCTCCCCAGACCTCCTGGGGCTGCAAGC
GAGCTCAGCCCTGGCCTGGCTGACCCTGGAGGTGCTGGCCATCCTGCTCAGCCTCTATCTGGTCACTGTC
AACACCGACCTCACCACCATCGACCTGGTGGCCTTCTGGGCTACAAATATGTCGGGATGATTGGCGGGG
TCCTCATGGCCCTGCTCTCGGGAAGATTGGCTACTACCTGGTGTGGCTGGTGTGCTGCGTAGCCATCTT
TGTGTTTATGATCCGGACGCTGCGGCTGAAGATCTTGGCAGACGACGAGCTGAGGGGGTCCCGGTGCGT
GGGGCCCGGAACCAGCTGCGCATGTACCTGACCATGGCGGTGGCGGGCGCAGCCTATGCTCATGTACT
GGCTCACCTTCCACCTGGTGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213819 representing NM_001039673
 Red=Cloning site Green=Tags(s)

MHPAGLAAAAAGTPRLPSKRRIIPVSQPGMADPHQLFDDTSSAQSRYGAQRAPGGLSYPAASPTPHAAFL
 ADPVSNMAMAYGSSSLAAQKELVDKNIDRFIPITKLKYFAVDTMVYGRKLGLLFFPYLHQDWEVQYQQD
 TPVAPRFDVNAPDLYIPAMAFITYVLVAGLALGTQDRFSPDLLGLQASSALAWL TLEVLAILLSLYLVTV
 NTDLTTIDLVAFLGYKYVGMIGGVLMLLLFGKIGYYLVLGWCCVAIFVMIRTLRLKILADAAAEGVPVR
 GARNQLRMYLTMAVAAAQPMLMYLTFHLVLR

TRTRPLE - GFP Tag - V

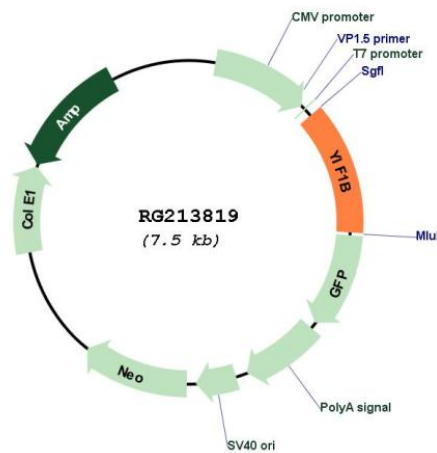
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001039673

ORF Size: 933 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_001039673.3
RefSeq Size:	1233 bp
RefSeq ORF:	936 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]