

## Product datasheet for RC218515

### YIF1B (NM\_001039672) Human Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | YIF1B (NM_001039672) Human Tagged ORF Clone                                    |
| Tag:                      | Myc-DDK  |
| Symbol:                   | YIF1B  |
| Synonyms:                 | FinGER8  |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| ORF Nucleotide Sequence:  | >RC218515 representing NM_001039672<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCAACCCGGCAGGCTTGGCGGGCGGGCTGCGGGGACGCCCCGGCTGCGTAAGTGGCCCTCGAAGCGGA  
GGATCCCTGTGTCCAGCCGGGCATGGCCGACCCACCAGCTTTTCGATGACACAAGTTCAGCCCAGAG  
CCGGGGCTATGGGGCCAGCGGGCACCTGGTGGCCTGAGTTATCCTGCAGCCTCTCCACGCCCCATGCA  
GCCTTCTGGCTGACCCGGTGTCCAACATGGCCATGGCCTATGGGAGCAGCCTGGCCGCGCAGGGCAAGG  
AGCTGGTGGATAAGAATCGACCGCTTACCCCATCACCAAGCTCAAGTATTACTTTGCTGTGGACAC  
CATGTATGTGGGCAGAAAGCTGGCCTGCTGTTCTTCCCCTACCTACACCAGGACTGGGAAGTGCAGTAC  
CAACAGGACACCCGGTGGCCCCCGCTTTGACGTCAATGCCCGGACCTCTACATTCCAGCAATGGCTT  
TCATCACCTACGTTTTGGTGGCTGGTCTTGGCCTGGGGACCCAGGATAGGTTCTCCCAGACCTCTGGG  
GCTGCAAGCGAGCTCAGCCCTGGCCTGGCTGACCCTGGAGGTGCTGGCCATCCTGCTCAGCCTCTATCTG  
GTCAGTGTCAACACCGACCTCACCACCATCGACCTGGTGGCCTTCTTGGGCTACAAATATGTCGGGATGA  
TTGGCGGGGTCTCATGGCCTGCTCTTCGGGAAGATTGGCTACTACCTGGTGTGGGCTGGTGTGCGT  
AGCCATCTTTGTGTTTCATGATCCGGACGCTGCGGCTGAAGATCTTGGCAGACGCAGCAGCTGAGGGGGTC  
CCGGTGGTGGGGCCCGAACAGCTGCGCATGTACCTGACCATGGCGGTGGCGGGCGCGCAGCCTATGC  
TCATGTAAGTGGCTCACCTCCACCTGGTGGCGG

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC218515 representing NM\_001039672  
Red=Cloning site Green=Tags(s)

MHPAGLAAAAGTPRLRKWPSKRRIPVVSQPGMADPHQLFDDTSSAQSRYGAQRAPGGLSYPAASPTPHA  
 AFLADPVSNMAMAYGSSSLAAQKELVDKNIDRFIPITKLYYFAVDTMYVGRKLGLLFFPYLHQDWEVQY  
 QQDTPVAPRFVDNAPDLIYPAMAFITYVLVAGLALGTQDRFSPDLLGLQASSALAWLTLEVLAILLSLYL  
 VTVNTDLTTIDLVAFLGYKYVGMIGGVLMLLFGKIGYYLVLGWCCVAIFVFMIRTLRLKILADAAAEGV  
 PVRGARNQLRMYLTMVAAAQPMLMYWLTFFHLVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8051\\_c08.zip](https://cdn.origene.com/chromatograms/mk8051_c08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001039672

**ORF Size:** 942 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\\_001039672.3](#)

**RefSeq Size:** 1242 bp

**RefSeq ORF:** 945 bp

**Locus ID:** 90522

**UniProt ID:** [Q5BJH7](#)

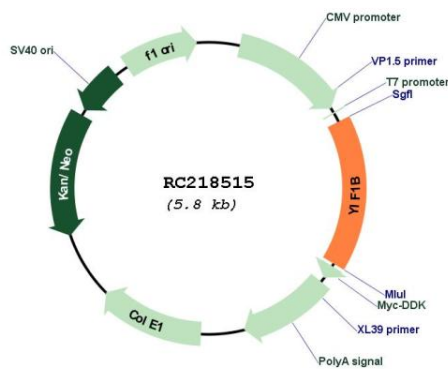
**Cytogenetics:** 19q13.2

**Protein Families:** Transmembrane

**MW:** 34.3 kDa

**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 RC218515