

## Product datasheet for SC326550

### YIF1B (NM\_001145461) Human Untagged Clone

#### Product data:

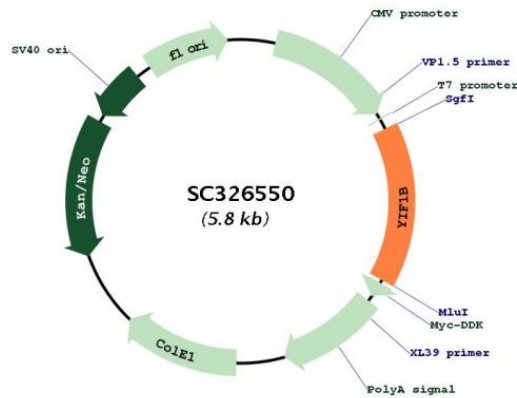
Product Type:	Expression Plasmids
Product Name:	YIF1B (NM_001145461) Human Untagged Clone
Tag:	Tag Free
Symbol:	YIF1B
Synonyms:	FinGER8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326550 representing NM_001145461. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAGCCTCGAAGCGGAGGATCCCTGTGTCCAGCCGGGCATGGCCGACCCACCAGCTTTTCGAT
GACACAAGTTCAGCCCAGAGCCGGGGCTATGGGGCCAGCGGGCACCTGGTGGCCTGAGTTATCCTGCA
GCCTCTCCACGCCCCATGCAGCCTTCTGGCTGACCCGGTGTCCAACATGGCCATGGCCTATGGGAGC
AGCCTGGCCGCGCAGGGCAAGGAGCTGGTGGATAAGAACATCGACCGCTTCATCCCCATACCAAGCTC
AAGTATTACTTTGCTGTGGACACCATGTATGTGGGCAGAAAGCTGGCCCTGCTGTTCTCCCTACCTA
CACCAGGACTGGGAAGTGCAGTACCAACAGGACACCCCGTGGCCCGCTTTGACGTCAATGCCCGG
GACCTCTACATCCAGCAATGGCTTTCATCACCTACGTTTTGGTGGCTGGTCTTGCCTGGGGACCCAG
GATAGGTTCTCCCGAGACCTCCTGGGGTGAAGCGAGCTCAGCCCTGGCCTGGCTGACCCTGGAGGTG
CTGGCCATCCTGCTCAGCCTCTATCTGGTCACTGTCAACACCGACCTCACCACCATCGACCTGGTGGCC
TTCTTGGGCTACAAATATGTCGGGATGATTGGCGGGTCTCATGGCCCTGCTCTTCGGGAAGATTGGC
TACTACCTGGTGTGGCTGGTGTGCTGCGTAGCCATCTTTGTGTTTCATGATCCGGACGCTGCGGCTGAAG
ATCTTGGCAGACGCAGCAGCTGAGGGGGTCCCGGTGCGTGGGGCCCGAACCAGCTGCGCATGTACCTG
ACCATGGCGGTGGCGGCGGCAGCCTATGCTCATGACTGGCTCACCTCCACCTGGTGGCGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001145461

**Insert Size:** 894 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001145461.1](#)

**RefSeq Size:** 2788 bp

**RefSeq ORF:** 894 bp

**Locus ID:** 90522

**Cytogenetics:** 19q13.2

**Protein Families:** Transmembrane

**MW:** 32.7 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]

Transcript Variant: This variant (6) contains an alternate 5' terminal exon, and it thus differs in the 5' UTR and 5' coding region, compared to variant 5. The resulting isoform (6) has a shorter and distinct N-terminus, compared to isoform 5. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.