

## Product datasheet for MR216322

### Yif1b (NM\_001110201) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Yif1b (NM\_001110201) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Yif1b  
**Synonyms:** 9430029K10Rik; Yip1b  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR216322 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGCACGCACAGGTTTGGCGGCCCGGGGACGCCCCGGCTGCCCTCAAAGCGGAGGGTCCCAGTGT  
 CCCAACCCAGGCATGGCTGATCCCCACCAGTTTTTTGATGACACGAGTTCTGCCCAAGCCGGGGCTATGG  
 AGGCCAGCCGTACCTGGTGGTCTGGGTACCCCCCTTTCATCCGACGCAGCCTTCTGGCTGCCCT  
 ATGTCCAACATGGCGATGGTCTACGGGAGCAGCCTGGCCGCTCAGGGCAAGGAGCTGGTAGATAAGAATA  
 TCGACCGCTTCATTCCCCTCAGCAAGCTCAAGTATTACTTTGCAGTGGACACGGTGTATGTGGGCAAGAA  
 GCTTGGGCTGCTGGTCTTTCCCTACCTTACCAGGACTGGGAGGTACAGTACCAACAGGACACCCCAGTG  
 GCCCCCGCTTCGACATCAATGTCTCAGACCTCTACATTCAGCCATGGCTTTCATCACCTACATCTTGG  
 TGGCCGGCCTTGCACTGGGGACCCAGGACAGGTTCTCCCAGACCTCCTGGGACTGCAGGCGAGCTCAGC  
 TCTGGCCTGGTACTCTGGAAGTCGTAGCAATCCTGCTCAGTCTCTACCTGGTCACTGTCAACACCCGAC  
 CTCACCACATTGACCTGGTGGCCTTCTGGGCTACAAATATGTGGGGATGATTGGCGGCGTCTCACGG  
 GTCTGCTCTTTGAAAGATCGGCTACTACCTGGTGGTCTGGCTGTGTGTCATCTTTGTATTTCAT  
 GATCCGGACACTGCGGCTCAAGATCCTGGCCCAGGCAGCGGCCGAAGGAGTGCCAGTGCCTGGGGCGGG  
 AACCAGCTGCGCATGTACTGACTATGGCAGTGGCAGCTGGCAGCCGGTACTCATGTACTGGCTCACCT  
 TCCACCTTGATACGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR216322 protein sequence  
Red=Cloning site Green=Tags(s)

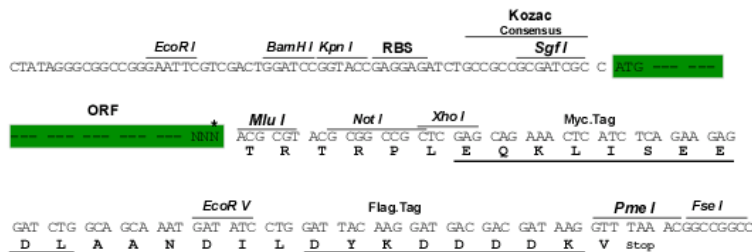
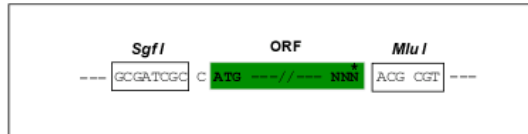
MHATGLAAPAGTPRLPSKRRVPVSQPGMADPHQFFDDTSSAPSRGYGGQPSPGGLGYPPSSSDDAAFLAAP  
 MSNMAMVYGSSSLAAQGKELVDKNIDRFIPVSKLKYYFVADTVYVGKLLGLLVFPYLHQDWEVYQQDTPV  
 APRFDINAPDLIYPAMAFITYILVAGLALGTQDRFSPDLLGLQASSALAWLTLEVVAILLSLYLVTNTD  
 LTTIDLVAFLGYKYVGMIGGVLGLLFGKIGYLLVLAWCCVSIFFMIRTLRLKILAQAAAEGVPRGAR  
 NQLRMYLTMAVAAAQPVLMYWLT FHLVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001110201

**ORF Size:** 927 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\\_001110201.1](#), [NP\\_001103671.1](#)

**RefSeq Size:** 1135 bp

**RefSeq ORF:** 927 bp

**Locus ID:** 77254

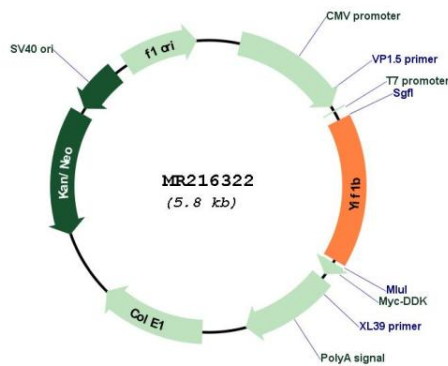
**UniProt ID:** [Q9CX30](#)

**Cytogenetics:** 7 B1

**MW:** 33.5 kDa

**Gene Summary:** Involved in the anterograde traffic pathway from the endoplasmic reticulum to the plasma membrane and the organization of the Golgi architecture (PubMed:26077767). Plays a key role in targeting to neuronal dendrites receptors such as HTR1A (By similarity). [UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for MR216322