

Product datasheet for **MG216322**

Yif1b (NM_001110201) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Yif1b (NM_001110201) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Yif1b
Synonyms: 9430029K10Rik; Yip1b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG216322 representing NM_001110201
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCACGCGACAGGTTTGGCGGCGCCGGCGGGGACGCCCCGGCTGCCCTCAAAGCGGAGGGTCCCAGTGT
 CCCAACCCAGGCATGGCTGATCCCCACAGTTTTTTGATGACACGAGTTCTGCCCAAGCCGGGGCTATGG
 AGGCCAGCGTCACCTGGTGGTCTGGGTACCCCCCTTTCATCCGACGCAGCCTTCTGGCTGCCCT
 ATGTCCAACATGGCGATGGTCTACGGGAGCAGCCTGGCCGCTCAGGGCAAGGAGTGGTAGATAAGAATA
 TCGACCGCTTCATTCCCGTCAGCAAGCTCAAGTATTACTTTGCAGTGGACACGGTGTATGTGGGCAAGAA
 GCTTGGGCTGCTGGTCTTTCCCTACCTTACCAGGACTGGGAGGTACAGTACCAACAGGACACCCAGTG
 GCCCCCGCTTCGACATCAATGTCTCCAGACCTCTACATCCAGCCATGGCTTTCATCACCTACATCTTGG
 TGGCCGGCCTTGCACTGGGGACCCAGGACAGGTTCTCCCCAGACCTCCTGGGACTGCAGGCGAGCTCAGC
 TCTGGCCTGGTACTCTGGAAGTCGTAGCAATCCTGCTCAGTCTCTACCTGGTCACTGTCAACACCGAC
 CTCACCACATTGACCTGGTGGCCTTCTGGGCTACAAATATGTGGGGATGATTGGCGGCGTCTCACGG
 GTCTGCTCTTTGAAAGATCGGCTACTACCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 GATCCGGACACTGCGGCTCAAGATCCTGGCCCAGGCAGCGGCCGAAGGAGTGCCAGTGCGTGGGGCGGG
 AACCAGCTGCGCATGTACCTGACTATGGCAGTGGCAGCTGCGCAGCCGGTACTCATGTACTGGCTCACCT
 TCCACCTTGATACGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG216322 representing NM_001110201
 Red=Cloning site Green=Tags(s)

MHATGLAAPAGTPRLPSKRRVPVSQPGMADPHQFFDDTSSAPSRGYGGQPSGGLGYPPSSSDDAAFLAAP
 MSNMAMVYGSSSLAAQGKELVDKNIDRFIPVSKLKYYFAVDTVYVGKLLGLLVFPYLHQDWEVYQQDTPV
 APRFDINAPDLYIPAMAFITYILVAGLALGTQDRFSPDLLGLQASSALAWLTLEVVAILLSLYLVTVNTD
 LTTIDLVAFLGYKYVGMIGGVL TGLLFGKIGYLLVLAWCVCYSIFVFMIRTLRLKILAQAAAEGVPRGAR
 NQLRMYLTMVAAAQPVLMYWLTFHLVR

TRTRPLE - GFP Tag - V

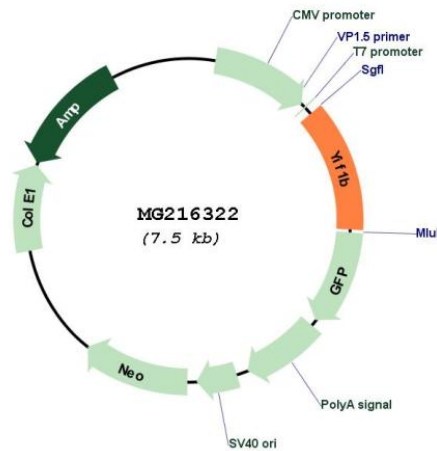
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001110201

ORF Size: 924 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_001110201.1 , NP_001103671.1
RefSeq Size:	1135 bp
RefSeq ORF:	927 bp
Locus ID:	77254
UniProt ID:	Q9CX30
Cytogenetics:	7 B1
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]