

Product datasheet for **RR200127**

Yif1b (NM_198734) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Yif1b (NM_198734) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Yif1b
Synonyms:	Yip1b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>NM_198734 ORF sequence, RR200127 may differ due to SNPs. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCACGCGACAGGTTTGGCGGCGCCGGCGGGGACGCCCGGCTGCGTAAGTGGCCCTCAAAGCGGAGG
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CTGGCTGCTCCTATGTCCAACATGGCGATGGCCTACGGGAGCAGCCTGGCTGCTCAGGGCAAAGAGCTG
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TACGTGGGCAAGAAGCTCGGACTGCTCGTCTTTCCCTACCTTCACCAGGACTGGGAGGTCCAGTACCAA
CAGGACACCCCGTGGCGCCCGCTTTGACATCAATGCTCCAGACCTCTACATTCAGCCATGGCTTTC
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GTGCCGGTGGCGGGGCTCGGAACCAGCTGCGCATGTACTTGACTATGGCGGTGGCGGCTGCGCAGCCG
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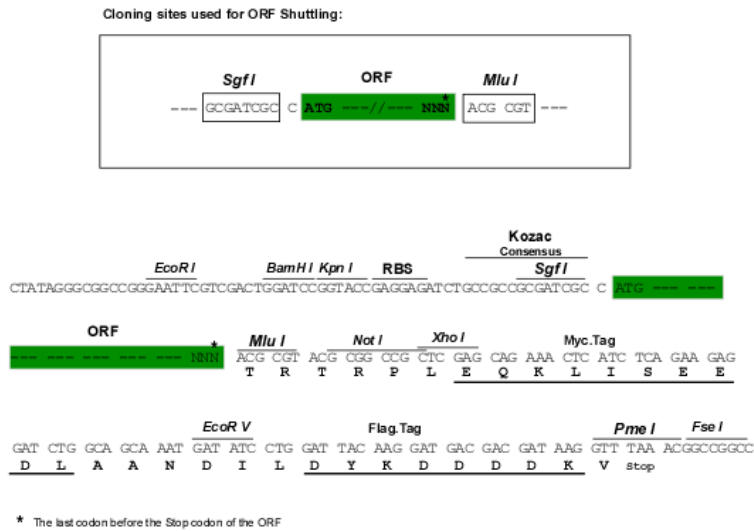
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Protein Sequence: >Peptide sequence encoded by RR200127
 Blue=ORF Red=Cloning site Green=Tag(s)

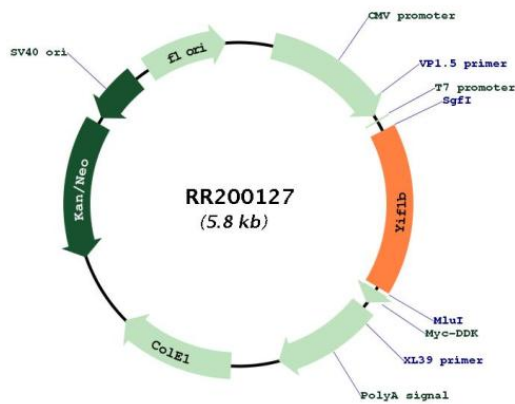
MHATGLAAPAGTPRLRKWPSKRRVPVVSQPGMADPHQFFDDTSSAPSRGYGGQPSGSLGYPTSSSEAAF
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 QDTPVAPRFDINAPDL YIPAMAFITYILVAGLALGTQDRFSPDLLGLQASSALAWLTLEVVAILLSLYL
 VTVNTDLTTIDLVAFLGYKYVGMIGGVL TGLLFGKIGYYLVLAWCCVSIFVFMIRTLRLKILAQAAAEG
 VPVRGARNQLRMYLTMVA AAAQPVLMYWLT FHLVR
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_198734
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_198734.3
RefSeq Size:	1183 bp
RefSeq ORF:	936 bp
Locus ID:	292768
UniProt ID:	Q6PEC3
Cytogenetics:	1q21
MW:	34 kDa
Gene Summary:	Involved in the anterograde traffic pathway from the endoplasmic reticulum to the plasma membrane and the organization of the Golgi architecture (Probable). Plays a key role in targeting to neuronal dendrites receptors such as HTR1A (PubMed:18685031). [UniProtKB/Swiss-Prot Function]