

Product datasheet for **RR200128**

Yif1b (NM_001014810) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Yif1b (NM_001014810) 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:	>RR200128 representing NM_001014810 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCACGTCCGGTAGGGGCGCATCGCGGCCTCAAAGCGGAGGGTCCCAGTGTCCAACCGGGCATGG
CTGATCCCACCAGTTTTTTGACGACACGAGTTCAGCCCCGAGCCGGGGCTATGGAGGCCAGCCATCACC
TGGTAGCCTGGGTACCCACCTTTCATCGGAGGCAGCCTTCTGGCTGCTCCTATGTCCAACATGGCG
ATGGCCTACGGGAGCAGCCTGGCTGCTCAGGGCAAAGAGCTGGTAGATAAGAATATCGACCCTTCATCC
CTGTCCAGCAAGCTCAAGTATTACTTCGCCGTGGACACCCTGTACGTGGGCAAGAAGCTCGGACTGCTCGT
CTTTCCCTACCTTACCAGGACTGGGAGGTCCAGTACCAACAGGACACCCCGTGGCGCCCGCTTTGAC
ATCAATGTCTCCAGACCTTACATTCAGCCATGGCTTTCATAACCTACATCTTGGTGGCCGGCCTTGAC
TGGGGACCCAGGACAGTTCTCCCAGACCTCCTGGGACTACAGGCGAGCTCGGCACTGGCTTGGCTGAC
TCTGGAAGTCGTAGCCATTCTGCTCAGTCTTTACCTGGTCACTGTCAACACCGACCTTACCACATTGAC
CTGGTGGCCTTCTGGGTACAAATATGTGGGATGATTGGCGGGTCTCACAGGCCTGCTCTTTGGGA
AGATTGGCTACTACCTGGTCTTGCCTGGTGTGTGTCCATCTTTGTGTTTCATGATCCGGACACTGCG
GCTCAAGATCCTGGCCCAGGACGCGGCCGAAGGAGTGCCGGTGGCGGGGCTCGGAACCACTGCGCATG
TACTTGACTATGGCGGTGGCGGTGCGCAGCCGTTACTCATGTACTGGCTCACCTTCCACCTTGTACGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR200128 representing NM_001014810
 Red=Cloning site Green=Tags(s)

MPPRGRGRIAASKRRVPVSPQGMADPHQFFDDTSSAPSRGYGGQPSPGSLGYPTSSSEAAFLAAPMSNMA
 MAYGSSSLAAQKELVDKNIDRFIPVSKLKYYFAVDTVYVGKLLGFLVFPYLHQDWEVYQDTPVAPRFD
 INAPDLIYPAMAFITYILVAGLALGTQDRFSPDLLGLQASSALAWLTLEVVAILLSLYLVTNTDLTTID
 LVAFLGYKYVGMIGGVL TGLLFGKIGYYLVLAWCCVSIFVFMIRTLRLKILAQAAAEGVPVRGARNQLRM
 YLTMAVAAAQPVLMYWLTFHLVR

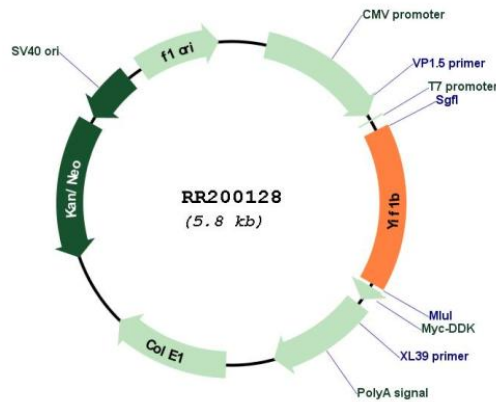
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001014810

ORF Size: 909 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_001014810.1 , NP_001014810.1
RefSeq Size:	1183 bp
RefSeq ORF:	912 bp
Locus ID:	292768
UniProt ID:	Q6PEC3
Cytogenetics:	1q21
MW:	33.2 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]