

Product datasheet for **RR211601**

Ybx1 (NM_031563) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ybx1 (NM_031563) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ybx1
Synonyms: Byb1; Cbfa; Dbpb; Ef1a; Msy1; Nsep1; Yb1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR211601 representing NM_031563
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCAGCGAGGCCGAGACCCAGCAGCCGCCCGCCCGCCCGCCCGCCCTCAGCGCCGCCGACACCA
AGCCCGGCTCCACGGGCAGCGCGCGGGTAGTGGCGGCCGGCGGCTCACATCGGCGGCCCGCCCG
CGGGGACAAGAAGGTCATCGCAACGAAGTTTTGGGAACAGTAAAATGGTTCAATGTAAGGAACGGATAC
GGTTTCATCAACAGGAATGACACCAAGGAAGACGTATTTGTACACCAGACGGCCATAAAGAAGAATAACC
CCAGGAAGTACCTTCGCAGTGTAGGAGATGGAGAGACTGTGGAGTTTGATGTTGTAAGGAGAAAAGGG
TGCGGAGGCAGCTAATGTTACAGGCCCTGGTGGAGTTCAGTTCAAGGCAGTAAATACGCAGCAGACCGT
AACCATATAGACGCTATCCACGTCGTAGGGTCTCCACGCAATTACCAGCAAAATTACCAGAATAGTG
AGAGTGGGAAAAGAATGAAGGATCGGAAAGCGCTCCTGAAGGCCAGGCCAACCAACGCCGGCCCTATCG
CAGGCGAAGGTTCCACCTTACTACATGCGGAGACCTATGCGCGTCGACCACAGTATCCAACCCCT
GTGCAAGGAGAAGTGTAGGGGTGCTGACAACCAGGGTGCAGGAGAGCAAGGTAGACCAGTGAGACAGA
ATATGTATCGGGTTACAGACCAGATTCCGCAGGGGCCCTCCTCGCAAAGACAGCCTAGAGAGGATGG
CAATGAAGAGGACAAAGAAAATCAAGGAGATGAGACCAAGGTCAGCAGCCACCTCAACGTCGGTATCGC
CGCAACTTCAATTACCGACGCAGACGCCAGAGAACCCTAAACCACAAGATGGCAAAGAGACAAAAGCAG
CCGATCCACCAGCTGAGAATTCGTCGCCCTCCGAGGCTGAGCAGGGCGGGGCTGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR211601 representing NM_031563
Red=Cloning site Green=Tags(s)

MSSEAETQPPAAPAAALSAADTKPGSTGSGAGSGGPGGLTSAAPAGGDKKVIATKVLGTVKWFNVRNGY
 GFINRNDTKEDVFVHQTAIKKNPRKYLRSVGDGETVEFDVVEGEKGAEEANVTGPGGVPVQGSKYAADR
 NHYRRYPRRRGPPRNYQQNYQNSESGEKNESGESAPEGQAQQRRPYRRRRFPYYMRRPYARRPQYSNPP
 VQGEVMEGADNQGAGEQGRPVQRNMYRGRYRPRFRGPPRQRQRPREDGNEEDKENQDDETQGGQPPQRRYR
 RNFNYRRRRPENPKPQDGKETKAADPPAENSSAPEAEQGGAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2129_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



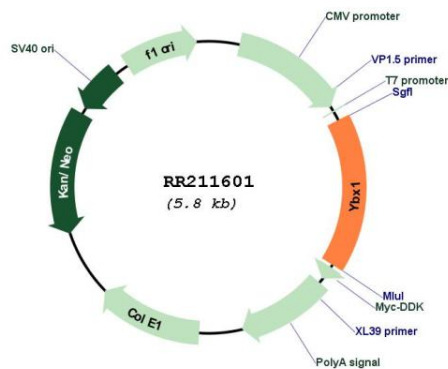
ACCN: NM_031563

ORF Size: 966 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_031563.3 , NP_113751.3
RefSeq Size:	1536 bp
RefSeq ORF:	969 bp
Locus ID:	500538
UniProt ID:	P62961
Cytogenetics:	5q36
MW:	35.7 kDa
Gene Summary:	transcription factor; acts as a regulator of protein tyrosine phosphatase PTP1B expression [RGD, Apr 2006]

Product images:


Circular map for RR211601