

## Product datasheet for **RR212951**

### Ybx3 (NM\_031979) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ybx3 (NM\_031979) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ybx3  
**Synonyms:** Csda; Dbpa; Yb2  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR212951 representing NM\_031979  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCGAGGGCGGGCAGGGCCACCACGGCGGCACCACGCTCCCGCAGGCCGGCGCCGACGCGCCCGCG  
 CGGCGCCCCGGACCCCGCGCCTAAGAGCCCGCGGCCAGCGCGCGCCACGGCCCCGGCGCCCGCCG  
 GCTGCTCGCGGGAGCCCGCGGAGACGACGCCCGCGCCCGCCCGGCTCATCAGCCCCGCGGGA  
 AGCGAGGACGCGGAGAAGAAAGTTCTCGCCACCAAGTCCTTGGCACTGTCAAATGGTTCAACGTCAGAA  
 ATGGATATGGATTTATAAACCGAAACGACACCAAGAAGATGTGTTGTACACCAGACTGCCATCAAGAA  
 GAATAATCCACGCAAGTATCTGCGCAGTGTGGGGATGGAGAACTGTAGAGTTTGATGTGGTTGAAGGA  
 GAAAAGGGTGCTGAAGCAGCAAATGTGACTGGCCAGATGGAGTTCTGTAGAAGGGAGTCGCTATGCTG  
 CTGATCGGCGCCGGTACAGACGCGGCTACTATGGCAGGCGCCGAGGACCTCCCCGTAATTACGCTGGGGA  
 GGAGGAGGAGGAAGGGAGCGGCAGCAGTGAAGGATTTAGCCCCCTGCCGAGATGGGCAGTTCTCTGGG  
 GCCAGGAATCAGCTGCGCCGCCCCAGTATCGCCCTCCGTACCGGACGCGGCTTTCCCGCCTTACCACG  
 TGGGACAGACCTTTGACCGTCGCTCACGGGTCTTCCCATCCCAACAGAATGCAGGCTGGTGAGATTGG  
 AGAGATGAAGGATGGAGTCCCCGAGGGAGCGCAGCTCCAGTTTCATCGGAATCCCACTTACCGCCAAGG  
 TTCCGCGAGGGACCTGCTCGCCACGACCTGCCCTGCTATTGGAGAGGCTGAAGATAAAGAAAATCAGC  
 AAGCGGCCAATGGTCCAACACGCGTCTGCCCGCGTGGATTCCGACGCCCTACAACACAGGCGCCG  
 CCCCCGTCCTCAACGCTGTTTACAAGATGGCAAAGAGACCAAGGCAGGTGAAGCACCAACTGAGAAC  
 CCCGCTCCAGCCACCGAACAGAGCAGTGGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR212951 representing NM\_031979  
Red=Cloning site Green=Tags(s)

MSEAGEATTGGTTLPQAAADAPAAAPPDPAPKSPAASGAPQAPAPAALLAGSPGGDAAPGPAPASSAPAG  
 SEDAEEKVLATKVLGTVKWFNVRNGYGF INRNDTKEDVFVHQTAIKKNPRKYLRSVGDGETVEFDVVEG  
 EKGAEAAANTGPDGVPVEGSRYAADRRRYRRGYGRRRGPPRNYAGEEEEEEGSGSSEGFEPAAADGQFSG  
 ARNQLRRPQYRPPYRQRFFPPYHVGQTFDRRSRVFPHPNRMQAGEIGEMKDGVPEGAQLQVHRNPTYRPR  
 FRRGPARPRPAPAIGEAEDKENQQAANGPNQPSARRGFRPPYNYRRRPRPLNAVSQDGKETKAGEAPTEN  
 PAPATEQSSAE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2252\\_h04.zip](https://cdn.origene.com/chromatograms/ja2252_h04.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



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

**ACCN:** NM\_031979

**ORF Size:** 1083 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\\_031979.3](#), [NP\\_114185.3](#)

**RefSeq Size:** 1845 bp

**RefSeq ORF:** 1086 bp

**Locus ID:** 83807

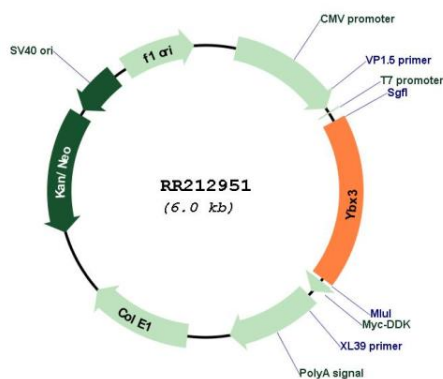
**UniProt ID:** [Q62764](#)

**Cytogenetics:** 4q42

**MW:** 38.9 kDa

**Gene Summary:** acts as a transcriptional repressor of the nicotinic acetylcholine receptor delta-subunit gene [RGD, Feb 2006]

## Product images:



Circular map for RR212951