

Product datasheet for **MR204006**

Ybx3 (NM_011733) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ybx3 (NM_011733) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ybx3
Synonyms: Csda; dbpA; Dpba; MSY3; MSY4; oxyR; Yb2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR204006 representing NM_011733
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGAGCGAGGCGGGCGAGGCCACCACGGCGGCACCACGCTCCCGCAGGCCGCGGCCGACGCGCCCGCG
 CGGCGCCCCGGACCCCGCGCCTAAGAGCCCGCGGCCAGCGCGCGCCCCAGGCCCGCGCCCGCCG
 GCTGCTCGCGGGAGCCCGCGGAGACGACGCCCGCGGCCCGCCCGGCTCATCAGCCCCGCGGGC
 GGCGAGGACGCGGAGAAGAAAGTTCTCGCCACCAAGTCCTTGGCACTGTCAAATGGTTCAACGTCAGAA
 ATGGATATGGATTTATAAACCGAAATGACACCAAGAAGATGTGTTGTACACCAGACGGCCATCAAGAA
 AAACAACCCACGCAAGTATCTGCGCAGTGTGGGGATGGAGAACTGTAGAGTTTGATGTAGTTGAAGGA
 GAAAAGGGTGCTGAAGCAGCAAACGTGACTGGCCAGATGGAGTTCCTGTAGAAGGGAGTCGCTATGCTG
 CTGACCGGCGCCGGTACAGACGCGGCTACTATGGCAGGCGCCGTGGACCTCCCCGTAATGCTGGTGAGAT
 TGGGGAGATGAAGGATGGAGTCCCCGAGGGAACACAGCTCCAGGCTCATCGGAATCCGACTTACCGCCC
 AGGTTCCGAGGGGACCTGCTCGCCACGACCTGCCCCGCTATTGGAGAGGCTGAAGACAAAGAAAACC
 AGCAAGCGGCTAATGGTCAAACCAGCCGTCTGCCCGCGTGGATTCCGACGTCCTACAACATATAGGCG
 CCGTTCCTCCCTCAACGCTGTTTACAAGATGGCAAAGAGACCAAGGCAGGTGAAGCACCAACTGAG
 AACCCCGCTCCAGCTACCGAACAGAGCAGTGCCGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204006 representing NM_011733
Red=Cloning site Green=Tags(s)

MSEAGEATTGGTTLPQAAADAPAAAPPDPAPKSPAASGAPQAPAPAALLAGSPGGDAAPGPAPASSAPAG
 GEDAEEKVLATKVLGTVKWFNVRNGYGF INRNDTKEDVFVHQTAIKKNPRKYLRSVGDGETVEFDVVEG
 EKGAEAAVNTGPDGVPVEGSRYAADRRRYRRGYGRRRGPPRNAGEIGEMKDGVPETQLQAHNRPTYR
 RFRRGPARPRPAPAIGEAEDKENQQAANGPNQPSARRGFRRPYNYRRRSRPLNAVSQDGKETKAGEAPTE
 NPAPATEQSSAE

TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1857_a02.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011733

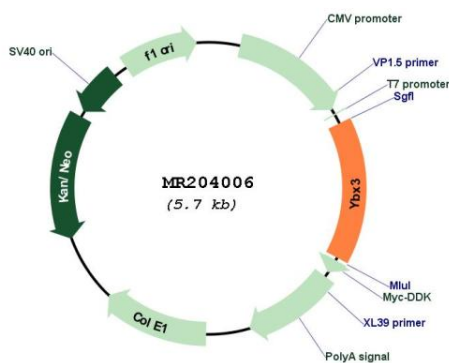
ORF Size: 876 bp

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:	<u>NM_011733.2</u> , <u>NP_035863.1</u>
RefSeq Size:	1655 bp
RefSeq ORF:	879 bp
Locus ID:	56449
UniProt ID:	<u>Q9JKB3</u>
Cytogenetics:	6 F3
MW:	31.2 kDa
Gene Summary:	Binds to the GM-CSF promoter. Seems to act as a repressor (By similarity). Binds also to full-length mRNA and to short RNA sequences containing the consensus site 5'-UCCAUCA-3'. May have a role in translation repression.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204006