

Product datasheet for **MR210854**

Bbx (BC066821) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bbx (BC066821) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bbx
Synonyms:	5530401J07Rik; 5730403O13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210854 representing BC066821
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAGGCAGTAATAGAAATAAAGACCATTCAACAGAAGGAGAAGGGGACGGAACGACCAAAACGGA
 AGTGTCTTCAGTGGCATCTGTTGCTAGCTAAGAACTTCTGGACTTTTCAGAAAGAGGAGGAAGACGA
 GGAAGAGGAAGATATTGATAAATAAAGATGCATTTATGAAAGCAAATCCTGGCTACAGATGGTGCCCT
 ACCACAAACAAGCCTGTGAAATCGCAACACCCACTGTCAATCCACGGAAGAACTTTGGCCTTCCAC
 CTGACTCTTCAAGAGACTTGCCAAACCCCAAGAAGGCAAAGACAGAAGTTCCTCAGCTCAACTTTGGAAT
 GGCAGATCCTACTCAGATGGGGGCTGAGCATGTTGCTGCTAGCTGGAGAGCAGCTCTTGGGACACCA
 GAGATATCTTCAAGGACATCACACCCGATGCGCCTTCAAACAGTGTCAAGCGTCAGCCTTGTTTCAGT
 TTGCAGAGATCTCTTCAAGCACTTCGCACTTGGGTGGCACTGAGCCTGTGAAACGCTGTGGAATTTCTGC
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 CATTGAGGACCAACACGCTAAACAAACCAGAGAAGATAAGAAGAAAAAGAAAAACAACTGGAT
 CGACACGGAAATGACAAATCCACACCAAGAAGACGTGCAAGAAGAGGCAGTCTTCAGAACTGCATCG
 AGAGTGTATGTACCCATCGAAGCTGTGGCAAAAGGAGACTGGGGTGTGACAACTCGGAGAAACCCC
 AAGAAAGAAAGTCCGCCCTCCTCAAGTGGCAAGGGAGGCATTTTGGATGCCAAGCCACCAAGAAAAA
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 ATTTCTTAGCATTTCTGCCAGCAAGAGTGTTCTGGGAGGTGCCAGAGGGCATAAAGCAGAACCCTT
 GACCCCTACCGAGGATGCACTGCCACCGAGCCTACCAGGACAGGCTAAGCCTGAGGATAGTGATTGTAC
 AGAAAAACGGAGACCTGTGGCTCCAGGAAATCTGAGAGGTCTTGCAAAGGTGCTTTTATAAACCTGG
 TGTCGAGGGCATGCTCACCTCTCTCGAGCTAATGTTGACAGAGGGAACGAAGCTCAGGAAAAGGAAA
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 CGGCCATGGAGAATGTGCACAGAGGCCAGAGATCAACTCCGCTCACCCATGATGGACAGCCAAAAGAAAT
 GCCGCAGGCTCCTGTACTTATTTCTTGTGCTGACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210854 representing BC066821
 Red=Cloning site Green=Tags(s)

MKGSNRNKHSTEGEGDGKRPKRKCLQWHLLLAKKLLDFSEEEEEDEEEDIDKYKDAFMKANPGYRWCP
 TTNKPVKSPTPTVNP RKKLWAFPPDSSRDLP TKKAKTEVPQLNFGMADPTQMGGLSMLLLAGEHALGTP
 EISSRTSHPDAPSKQCQASALFQFAEISSSTSHLGGTEPVKRCGNSALFQLAEMCLASEGVKMEDTKLIK
 SKESDGGRIEEIEKGKEERGTEVEKTTETSFQKEAEFGKSAKGNVRESKDLRDIEQLQMDNVMAIKVEDP
 KEIRKEPEDDQKYSHFPDFSYSASSKIIISGVPSRKDHMCHPHGIMIIEDPTTLNKPEIKKKKKKNKLD
 RHGNDKSTPKKTCKKRQSSSESDIESVMTIEAVAKGDWGVDKLGETPRKKVRPSSSGKGGILDAKPPKKK
 VKSKEKKVSKEKCS DITKESRPPDFLSISASKSVPGEVPEGIAEPLTPTEDALPPSLPGQAKPEDSDCH
 RKTETCGSRKSERSCGALYKTLVSEGMLTSLRANVDRGKRSSGKGNSSDHEGCWSEESWTFNQSGTSGS
 KKFKKKLREDSFLGSAKLDEEFKKFNSLPQYSPITFDRKCVSTPRKKKTGNMSSESTKTSKGPFSQK
 KNLFHKIVSKYKHKEKPNVPEKSGDKWSHKQFFLDAIHPTAEIFSEDKSTTEPAFKVKNAL SIPNTP
 PTTMQEPLVGSQKRKARKTKITHLVRTADGRVSPAGGTLDKPKQLQRSLPKVPGTYCGDNCSHSTVEE
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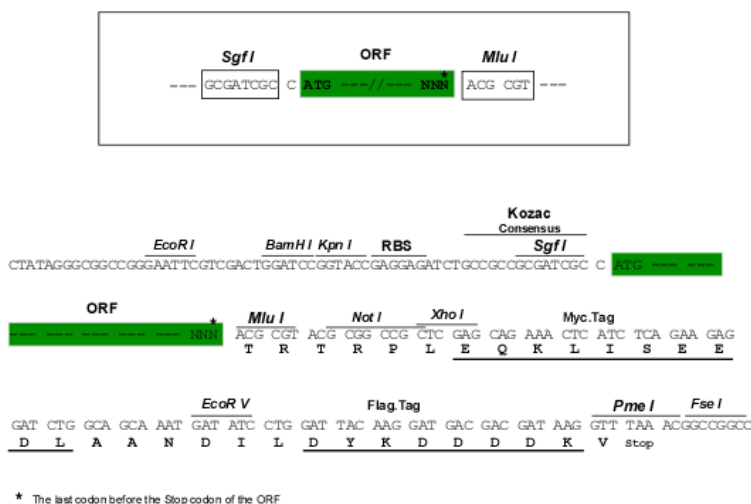
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: BC066821

ORF Size: 2487 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC066821.1](#)

RefSeq Size: 4543 bp

RefSeq ORF: 2489 bp

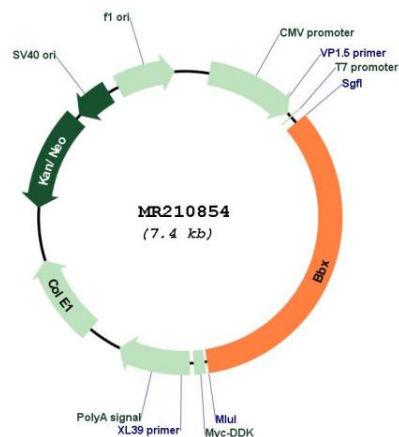
Locus ID: 70508

Cytogenetics: 16 B5

MW: 166.5 kDa

Gene Summary: Transcription factor that is necessary for cell cycle progression from G1 to S phase. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210854