

Product datasheet for MR204308

Bxdc1 (BC025093) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bxdc1 (BC025093) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Bxdc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204308 representing BC025093 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGCTTTGGACAAAGTTCTAAAGCCTAAAACAAAAGGGCTAAGAGATTCCTTGAGAAGAGAGAAC
CGAAACTCACTGAGAACATTAAGAATGCCATGCTGATTAAGGCGGAAATGCAATGCAACCGTGACACA
AGTACTCAGAGACATGTATGCACTGAAGAAACCATATGGAGTTCTCTATAAAAAGAAAAATATTACAAGA
CCATTTGAGGATCAGACGTCCTGGAGTTCTTTCAAAGAAGTCAGACTGCTCTTTATTCATGTTTGGCT
CCCATAACAAGAAGAGGCCAAATAACCTAGTAATAGGTCGTATGTACTACCATGTGCTGGATATGAT
TGAATTAGGTATTGAGAAATTTGTGTCTCTAAAAGATATTAAGACTAGTAAGTGCCCGAGGGAACAAAA
CCGATGTTGATATTTGCTGGTGATGATTTTGTATGAACAGAAGACTACAGAAGATTAAAAAATCTTCTTA
TTGATTTCTTCAGAGGCCCCACAGTATCGAACGTCGGCTGGCTGGATTAGAGTATGTTCTGCACCTCAC
TGCACTGAATGGGAAGGTTTACTTCCGAAGCTATAAGCTGCTGTTGAAGAAATCTGGGTGCAGAACACCA
CGAATCGAGCTAGAAGAGATGGGACCATCACTGGACCTGGTCATGAGGAGGACACACCTAGCATCAGATG
ACCTTTATAAACTGTCCATGAAAGTGCCCAAGGCTCTCAAGCCAAAGAAGAGAAAGAATATCTCTCAGGA
TACTTTTGGCACAAACATTTGGAAGGATTCATATGCAGAAGCAAGACTTAAGCAAACATAAAACGAGGAAA
ATGAAGGGGTTGAAGAAGCGACCTGCAGAGAATGGAGTAGACACCAGGGGAAAAAATCAAAGAGAATTA
AGAAAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204308 representing BC025093
Red=Cloning site Green=Tags(s)

MDALDKVLKPKTKRAKRFLEKREPKL TENIKNAML IKGGNANATVTQVLRDMYALKKPYGVLYKKKNITR
 PFEDQTSLEFFSKKSDCSLFMFGSHNKKRPNNL VIGRMYDYHVLDMIELGIEKFVSLKDIKTSKCPGK
 PMLIFAGDDFDVTEYRRLKNLLIDFFRGPTVSNVRLAGLEYVLHFTALNGKVYFRSYKLLLLKSGCRTP
 RIELEEMGPSLDLVMRRTHLASDDLKLSMKVPAKPKPKRKNISQDTFGTTFGRIMQKQDL SKLQTRK
 MKGLKKRPAENGVDDQGGKSKRIKKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC025093

ORF Size: 918 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: [BC025093](#)

RefSeq Size: 1699 bp

RefSeq ORF: 920 bp

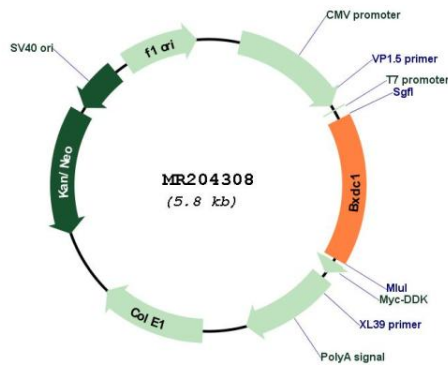
Locus ID: 67239

Cytogenetics: 10 B1

MW: 62.3 kDa

Gene Summary: Involved in ribosomal large subunit assembly. May regulate the localization of the 5S RNP/5S ribonucleoprotein particle to the nucleolus.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204308