

Product datasheet for **RG204393**

BXDC1 (RPF2) (NM_032194) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BXDC1 (RPF2) (NM_032194) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BXDC1
Synonyms:	bA397G5.4; BXDC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204393 representing NM_032194 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACACTCTGGATCGAGTAGTAAAGCCCAAAACGAAAAGAGCCAAGAGATTCCTTGAGAAGAGAGAAC
CGAAACTCAATGAAAATATTAATAATGCCATGCTGATTAAAGGGGAAATGCAATGCAACAGTGACAAA
AGTACTTAAAGATGTGTATGCACTGAAAAACCATACGGTGTACTATATAAAAAGAAAAATATTACAAGA
CCTTTTGAGGATCAGACATCACTGGAATTCCTTTCAAAGAAGTCAGATTGTTCTTTATTCATGTTTGGCT
CCCATAATAAGAAGCGGCCAAATAATCTAGTAATAGGTCGTATGTATGACTACCATGTGCTGGATATGAT
TGAATTAGGTATTGAGAAATTTGTCTCTCTAAAAGACATTAAGAACAGTAAATGTCCTGAGGGAACAAAA
CCCATGCTGATATTTGCTGGCGATGATTCGATGTAACAGAAGATTATAGAAGACTAAAAAGTCTTCTTA
TTGATTTCTTCAGAGGCCCCACAGTATCAAAATATCCGCCTGGCTGGATTAGAGTATGTTCTGCACTTCAC
TGCACTGAATGGGAAGATTTACTTTGGAAGCTATAAGTTGCTGTTGAAGAAATCTGGTTGCAGAACACCA
CGGATTGAATTGGAAGAGATGGGACCCTCATTGGATCTGGTTCTGAGGAGGACACACCTGGCATCGGATG
ACCTTTATAAATTATCTATGAAAATGCCAAAAGCTCTCAAGCCAAAGAAGAAGAAAAATATTTCCCATGA
TACTTTTGGTACAACCTTATGGAAGGATTCATATGCAGAAGCAAGACCTAAGCAAACCTACAAACCAGGAAA
ATGAAGGGTTGAAGAAGCGACCTGCAGAAAGGATAACAGAAGACCACGAGAAAAAGTCAAAAAGAATTA
AAAAAAAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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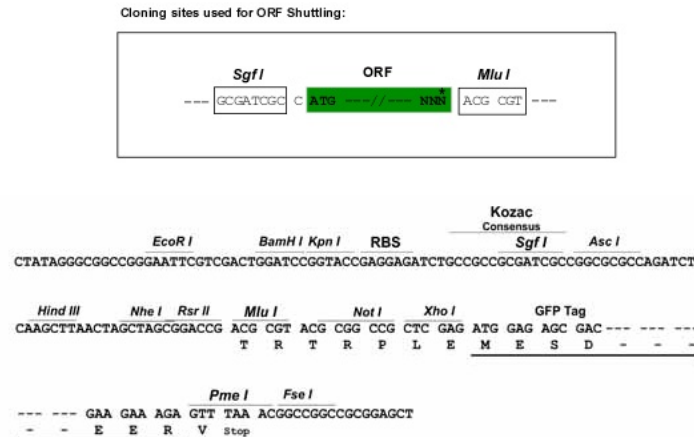
Protein Sequence: >RG204393 representing NM_032194
 Red=Cloning site Green=Tags(s)

MDTLDRVVKPKTKRAKRFLEKREPKLNENIKNAMLKGGNANATVTKVLKDYYALKKPYGVLYKKKNITR
 PFEDQTSLEFFSKKSDCSLFMFGSHNKKRPNNLVIGRMYDYHVLDMIELGIENFVSLKDIKNSKCPEGTK
 PMLIFAGDDFDVTEDYRRLKSLIDFFRGPTVSNIRLAGLEYVLHFTALNGKIYFRSYKLLKSGCRTP
 RIELEEMGPSLDLVLRRTHLASDDLYKLSMKMPKALKPKKKKNISHDTFGTTYGRIHMQQDL SKLQTRK
 MKGLKKRPAERITEDHEKKSKRIKKN

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032194

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.

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

RefSeq: [NM_032194.3](#)

RefSeq Size: 1078 bp

RefSeq ORF: 921 bp

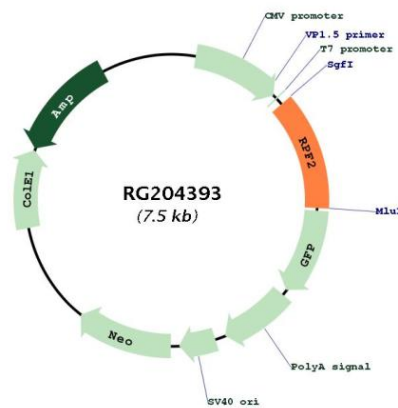
Locus ID: 84154

UniProt ID: [Q9H7B2](#)

Cytogenetics: 6q21

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 RG204393