

## Product datasheet for **RG201485**

### **BXDC2 (BRIX1) (NM\_018321) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BXDC2 (BRIX1) (NM_018321) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BXDC2
Synonyms:	BRIX; BXDC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201485 representing NM_018321 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCAACCAAGAGGAAACGGCGTGGAGGCTTTCAGTTCAGGCGAAGAAGCCAAAAAGAAACGAAA  
TAGATGCGGAGCCGCCAGCTAAGCGGCACGCCACAGCAGAGGAGGTGGAGGAAGAAGAGAGGGACCGGAT  
CCCAGGCCCGTTTGAAGGGAAAGTGGAAAAAATAGGAACGGATTCTCATCTTTCTCCAGAGGAATA  
AATTTTAGAACCAAGACATTTAATGCAGGACTTGAGAATGTTGATGCCTCATTCTAAAGCAGATACTAAAA  
TGGATCGTAAGGATAAGCTATTTGTGATTAACGAGTTTTGTGAAATGAAGAACTGTAATAAATGCATCTA  
TTTTGAAGCTAAGAAAAACAGGATCTCTATATGTGGCTTTCAAATTCACCTCACGGACCATCTGCTAAA  
TTCTTTGTTCAAAAATATTCATACCTCGCTGAACTGAAGATGACTGGAACCTGTTTGAAAGTTCTCGGC  
CCCTTTTGCTTTTGACCCTGCTTTTGATGAATTACCACATTATGCTTTGTTAAAAGAACTCTTAATTCA  
GATCTTTAGTACACCACGGTATCATCCCAAAAGCCAACCATTTGTGGACCACGTGTTTACTTTACCATT  
TTGGATAATAGGATATGGTTTCGGAACCTTCAGATCATAGAAGAAGATGCTGCTCTTGTAGAAATAGGAC  
CTCGTTTTGTCTTAAATCTCATAAAGATTTCCAGGGAAGTTTTGGAGGACCAACTTTATATGAAAATCC  
TCACTACCAGTCACCAACATGCATCGGCGTGTATAAGATCCATCACAGCTGCAAAAATACAGAGAGAAA  
CAGCAAGTGAAAGATGTGCAAAAACCTGAGAAAGAAAGAGCCGAAGACTCTTCCACATGATCCCCTG  
CAGATGTTTTTGTAAACACAGCTGAGGAGAAACCAATAGAAATACAGTGGGTAAAACAGAGCCAAAAGT  
TGATTTGAAAGCAAGAAAGAAACGGATTTACAAAAGGCAAAAGAAAATGAAACAGAGGATGGACAGTGG  
AAAACAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG201485 representing NM\_018321  
 Red=Cloning site Green=Tags(s)

MAATKRKRGGFAVQAKPKRNEIDAEPKARHATAEEVEEERDRIPGPVCKGKWKNERILIFSSRGI  
 NFRTRHLMQDLRMLMPHSKADTKMDRDKL FVINEVCEMKNCKIYFEAKKKQDLYMWL SNSPHGPSAK  
 FLVQNIHTLAELKMTGNCLKGSRPLL SFDPAFDELPHYALLKELLIQIFSTPRYHPKSQPFVDHVFFTI  
 LDNRIWFRNFQII EEDAALVEIGPRFVLNLIKIFQGSFGGPTLYENPHYQSPNMHRRVIRSITAACYREK  
 QQVKDVQKLRRKEPKTL LPHDPTADVFTPAEEKPIEIQWVKPEPKVDL KARKKRIYKRQKMKQRMDSG  
 KTK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_018321

**ORF Size:** 1059 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\\_018321.4](#)

**RefSeq Size:** 1303 bp

**RefSeq ORF:** 1062 bp

**Locus ID:** 55299

**UniProt ID:** [Q8TDN6](#)

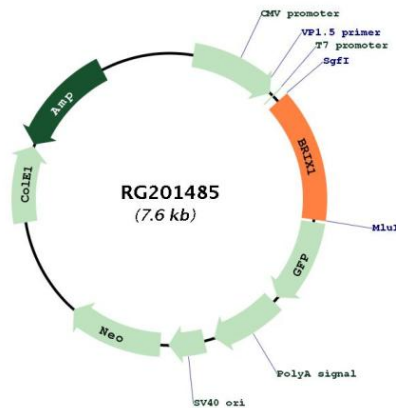
**Cytogenetics:** 5p13.2

**Domains:** Brix

**Protein Families:** Embryonic stem cells, Stem cell - Pluripotency

**Gene Summary:** Required for biogenesis of the 60S ribosomal subunit.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG201485