

## Product datasheet for **SC334771**

### **BXDC1 (RPF2) (NM\_001289111) Human Untagged Clone**

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | BXDC1 (RPF2) (NM_001289111) Human Untagged Clone   |
| Tag:                      | Tag Free   |
| Symbol:                   | RPF2   |
| Synonyms:                 | bA397G5.4; BXDC1   |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-Entry (PS100001)   |
| E. coli Selection:        | Kanamycin (25 ug/mL)   |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_001289111, the custom clone sequence may differ by one or more nucleotides |

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ATGTGGAAAAATATTACAAGACCTTTTGAGGATCAGACATCACTGGAATTCCTTTCAAAGAAGTCAGATT  
GTTCTTTATTCATGTTTGGCTCCATAATAAGAAGCGGCCAAATAATCTAGTAATAGGTCGTATGTATGA  
CTACCATGTGCTGGATATGATTGAATTAGGTATTGAGAATTTGTCTCTCTAAAAGACATTAAGAACAGT  
AAATGTCCTGAGGGAACAAAACCCATGCTGATATTTGCTGGCGATGATTCGATGTAACAGAAGATTATA  
GAAGACTAAAAAGTCTTCTTATTGATTTCTTCAGAGGCCCCACAGTATCAAATATCCGCCTGGCTGGATT  
AGAGTATGTTCTGCACTCACTGCACTGAATGGGAAGATTTACTTTCGAAGCTATAAGTTGCTGTTGAAG  
AAATCTGGTTGCAGAACACCACGGATTGAATTGGAAGAGATGGGACCCTCATTGGATCTGTTCTGAGGA  
GGACACACCTGGCATCGGATGACCTTTATAAATTATCTATGAAAATGCCAAAAGCTCTCAAGCCAAAGAA  
GAAGAAAAATATTTCCCATGATACTTTTGGTACAATTATGGAAGGATTCATATGCAGAAGCAAGACCTA  
AGCAAACCTACAAACCAGGAAAAATGAAGGGGTTGAAGAAGCGACCTGCAGAAAGGATAACAGAAGACCACG  
AGAAAAAGTCAAAAAGAATTAATAAAAAATTGA
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|--------------------|--|
| Restriction Sites: | Sgfl-MluI  |
| ACCN:              | NM_001289111   |
| OTI Disclaimer:    | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |



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|                               |   |
|-------------------------------|---|
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>   |
| <b>RefSeq:</b>                | <u>NM_001289111.1, NP_001276040.1</u>   |
| <b>RefSeq Size:</b>           | 3666 bp   |
| <b>RefSeq ORF:</b>            | 732 bp  |
| <b>Locus ID:</b>              | 84154   |
| <b>Cytogenetics:</b>          | 6q21  |
| <b>Gene Summary:</b>          | <p>Involved in ribosomal large subunit assembly. May regulate the localization of the 5S RNP/5S ribonucleoprotein particle to the nucleolus.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate 5' exon and initiates translation at an alternate start codon, compared to variant 1. This results in a protein (isoform 2) that has a shorter and distinct N-terminus, compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |