

## Product datasheet for **SC318382**

### **BBX (NM\_020235) Human Untagged Clone**

#### **Product data:**

|               |                                      |
|---------------|--------------------------------------|
| Product Type: | Expression Plasmids                  |
| Product Name: | BBX (NM_020235) Human Untagged Clone |
| Tag:          | Tag Free                             |
| Symbol:       | BBX                                  |
| Synonyms:     | ARTC1; HBP2; HSPC339; MDS001         |
| Vector:       | <u>pCMV6 series</u>                  |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_020235, the custom clone sequence may differ by one or more nucleotides

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ATGAAAGGCAGTAATAGAAATAAGGATCATTCAGCAGAAGGAGAAGGGTTGGAAAACGA
CCAAAACGAAAGTGTCTTCAGTGGCATCCATTGCTAGCAAAGAACTTCTTGATTTTCA
GAAGAGGAAGAAGAGGAAGACGAAGAGGAGGATATTGATAAGGTTCAACTCTTGGGGCC
GATGGCCTAGAGCAAGATGTTGGTGAACTGAAGATGATGAATCACCAGAGCAGCGAGCC
CGGAGACCAATGAATGCATTTCTTTATTTTGCAAACGCCATCGCTCTCTTGACGTCAG
GAACACCCAGGCTTGATAACCGAGGTGCTACCAAGATACTAGCTGATTGGTGGGCTGTT
CTTGATCCAAAGGAAAAGCAGAAATACACAGACATGGCCAAGGAGTATAAGGATGCATTT
ATGAAAGCAAATCCTGGCTACAAATGGTGTCTACCACAAACAAGCCTGTGAAATCCCCA
ACACCCACTGTCAATCCACGAAAGAACTTTGGGCCTTCCCATCTGACTCTTCAAGAGAC
TTGCCAAGCCCCAAGAAAGCAAGACTGAAGAAATGCCTCAGCTTAACCTTGAATGGCT
GATCCTACTCAAATGGGAGGCTGAGTATGCTGCTGTTAGCTGGAGAACATGCTCTTGGC
ACACCAGAGGTATCCTCTGGCACATGCAGGCTGATGTTTCAGAATCTCCTGAATTACGT
CAGAAGTCACCATTTGTTTCAGTTTGCCGAGATATCTTCAAGTACGTCCCACTCTGATGCT
TCTACAAAGCAGTGTCAAACATCTGCCTTGTTTCAGTTTGACAGAGATTTCTTCAAACACT
TCGCAGTTGGGTGGTGTGAGCCTGTAAAACGCTGTGGAAGTCTGCACTCTTCAACTG
GCAGAGATGTGCCTGGCATCAGAAGGGATGAAAATGGAAGAATCAAAGCTAATAAAAGCA
AAAGAATCCGATGGTGAAGAATTAAAGAATTAGAGAAGGGAAGGAAGAAAAGAAATT
AAAATGGAGAAAACAGATGAACTAGGTTACAGAAGGAAGCAGAAATTTGAAAAATCGGCT
AAGGAAAATTTAAGAGATTCTAAGGAATTGAGAAATTTGAGGCATTGCAATAGATGAC
ATAATGGCTATAAAAATGGAAGATCCCAAGAAATTAGAAAGGAAGAGTTAGAAGAAGAT
CACAAATGTAGTCATTTTCTGATTTTCTTATTCTGCCAGTAGCAAGATAATAATTAGT
GATGTTCCAGTAGAAAGGATCATATGTGCCATCCTCATGGAATTATGATCATTGAGGAT
CCCGCAGCATTAAACAAGCCAGAAAAGCTAAAAAGAAAAAGAAAAAGCAAAATGGAT
CGACATGGAATGATAAATCCACACCCAAGAAGACTTGCAAAAAGAGGCAGTCTTCGAA
TCTGACATTGAGAGCGTCATATATACCATTGAAGCCGTCGCAAAAGGAGACTGGGCATA
GAGAACTTGAGATACCCCTCGCAAGAAGTCCGCACATCCTCAAGTGGCAAGGGAAGC
ATTTTGGATGCCAAGCCACCAAGAAAAAAGTGAATCAAGAGAGAAGAAAATGTCAAAG
GAGAAATCCTCAGACACCACCAAGAGTCAAGACCTCCAGATTTTATTAGTATTTCTGCT
AGCAAGAACATTTCTGGTGAACACAGAGGGTATAAAGCAGAACCATTGACCCCTATG
GAAGATGCACTACCAACCCAGCCTATCAGGACAGGCCAAGCCTGAGGACAGTGAAGTAC
AGAAAAATAGAACTTGTGGTTCCAGGAAATCCGAGAGGTCTTGCAAAGGTGCTCTTTAT
AAAACCTGGTGTCTGAGGGCATGCTCACCTCTCTGCGAGCTAATGTTGACAGAGGAAAA
CGAAGCTCAGGAAAAGGAACTCCTCTGATCATGAAGGTGTTGGAATGAAGAAAGCTGG
ACATTTAGTCAGAGTGGGACCAAGTGGGAGCAAGAAGTTCAAGAAGACAAAGCCAAAGAA
GACTGTCTCCTTGGCTCCGCAAGCTGGATGAAGAATTTGAAAAAAATTTCAACAGCCTC
CCTCAATATAGTCCTGTTACATTTGACCGGAAATGTGTACCTGTCCCAAGAAAAAAGAA
AAGACTGGAAATGTGCTCAGAACCGACTAAAACAGCAAGGAAGTGGGGATAAATGG
TCAACAAAGCAACTCTTCTGGATGCCATTACCCCTACAGAAGCCATATTTTCAGAAGAC
AGAAACACCATGGAGCCTGTTTATGAAGTTAAAAATATCCCATCATTTTCAACACTCCA
GAGCCAACAACAACGCAAGAACCTTTGGTGGCAGCCAAAAGAGAAAAGCAAGGAAAACC
AAGATTACACACCTTGTGAGGACAGCAGATGGCCGGGTATCACCAGCAGGAGGTACTTTG
GATGACAAACCAAGGAACAACGAGAGGAGTCTCCTAAAGCAACTGAGACAGACTGC
AATGACAAATGCTCACACAACACCGAGGTGCGGGAGACGCGGAGCAGTACTCCAGAAATG
CCTGCCGTGTCTGCGTTCTTTAGCCTCGCTGCGCTGGCTGAAGTGGCAGCCATGGAATA
GTGCACAGAGGTGAGAGTCAACTCCGCTACCCATGATGGACAGCCAAAAGAAATGCCG
CAGGCTCCTGTACTTATTTCTGCGCTGACCAAG

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**Restriction Sites:** Please inquire

**ACCN:** NM\_020235

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| <b>Insert Size:</b>           | 8947 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                                                                         |
| <b>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.                                                                                                                                                                                                                                                                                                     |
| <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_020235.3, NP_064620.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq Size:</b>           | 8947 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq ORF:</b>            | 2736 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Locus ID:</b>              | 56987                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q8WY36</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cytogenetics:</b>          | 3q13.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Domains:</b>               | HMG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Protein Families:</b>      | Transcription Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Gene Summary:</b>          | <p>Transcription factor that is necessary for cell cycle progression from G1 to S phase. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (2) is shorter than 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> |