

## Product datasheet for **SC323805**

### **HBP1 (NM\_012257) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	HBP1 (NM_012257) Human Untagged Clone
Tag:	Tag Free
Symbol:	HBP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_012257.3
GGCGACGGGTTTGGTAAGTAGGAAAAGTTTCGGTTGAGGAGTAAGAGCTGCCGCGGGAGCA
GTAACCCGCGCGGGGAGGCCGACGTCGGTCCGAGAGGGGGTACGAGAGCTGCTGGTGGT
GTTGTCGTGGCCGGAGCGGCCCGCCCTGGGCTGCCGGCACTTCGCGGCAGTCAGAGCAC
CATAACATGGTGTGGGAAGTGAAGACAAATCAGATGCCTAATGCAGTACAGAACTCCTG
TTGGTGATGGACAAGAGAGCCTCAGGAATGAATGACTCATTGGAGTTGCTGCAGTGAAT
GAGAATTTGCCATCTTCACCTGGATATAACTCCTGTGATGAACACATGGAGCTTGATGAC
CTTCTGAACTTCAGGCAGTTCAAAGTGATCCTACCCAATCTGGCATGTACCAGCTGAGT
TCAGATGTTTACATCAAGAATACCCAAGATCATCTTGAACCAAAATACCTCAGACATA
CCAGAACTACTTACCGTAAAAATGAGGTGGACTGGCTAACAGAAATGGCAAATATCGCG
ACCAGTCCACAAAGTCCACTGATGCAGTGTCTATTTACAATAGATCATCTCCTGTACAC
ATCATAGCCACTAGCAAAAGTTTACATTCTATGCACGCCCTCCACCAGTGTCTCTTCT
TCGAAGAGTGAACCAGCCTTCCCTCATCACCATTGGAAGGAGGAAACACCAGTAAGACAT
GAAAGGGCAAATAGTGAGTCAGAATCTGGCATTCTGCATGTCTCCCTGTGATGATGAT
GATGATTTGGGATGGTGAATTCCTGGCCTTCACTGTCTGGCACTGTTTTTTGAAAGGC
ACACGACTGTGCTTTCATAAGGGAAGCAATAAGGAATGGCAAGATGTTGAAGATTTTGT
AGAGCTGAAGGCTGTGATAATGAGGAAGATCTTCAAATGGGCATTCAAGAGGCTATGGT
TCTGATGGTCTAAAGTTGTTATCACATGAAGAAAGTGTATCATTGGCGAGTCTGTACTG
AAGTTGACTTTTATGCTCCTGGTACAGTAGAAGATGGTTTACTTACCGTAGAGTGAAGCTG
GACCACCTTTCTATGTTAAAAATAAAGGTTGGTCATCATTATCCAAGCTTGACTGTG
GTACAGCATGGCATTCCATGTTGTGAAGTTCATATTGGCGATGTATGTCTACCTCCTGGA
CACCCGATGCCATTAATTTTGTGATTGAGTGTGTTTTGATACATTTAAAGCTATGAC
TTCACACCTATGGATTCTTCTGCAGTTTATGTGTTAAGTAGTATGGCTCGCCAGCGTCTG
GCATCTTTGTCTTGTGGAGGACCTGGTGGTCAAGACTTTGCAAGATCTGGATTGATGATAA
AACTGTGGCTCACCTGGATCATCACAGCTCTTCCAATTCTTTGTATGCTAAAGCTGTC
AAAAACCACAGCTCAGGGACTGTGAGTGCCACTTCTCCTAATAAGTGCAAAAGACCAATG
AATGCCTTCATGCTTTTTGCCAAAAATACAGAGTTGAATATACTCAGATGTATCCAGGG
AAAGATAACAGAGCCATAAGTGTGATCCTTGGTACAGGTGGAAGAAAATGAAGAATGAA
GAGAGAAGAAATGTACACATTAGAAGCAAAGGCTTTGGCTGAAGAACAGAAACGTTAAAT
CCTGACTGTTGGAAGAGGAAAAGAACCAATTCAGGCTCACAACAACATTAACCAGGATG
CTTATGTTCTTAAGTCTATATTTGCATATACATTGACTCTTGATGAAAGACTTAAGAAG
ATCAAGGTCTCACCATTTGCTCCTCAATTCGTGTGACCATAAGATACTGATAGCATTGAGT
CTTGAAATGATTTAATAATATGAGTGAGGATTTGCTTTCTCCATTAGAGCATTAGCTAA
AACTATCAACATTTTAAACCAAATTCCTTATTTTTCTTCCAACCTTCATATATGTCTAT
CAGGTAATAATAGGCTTGAAAATGATATCCTGTGGTGTAAAGTACAGTAGAAAGAGAG
GAGAAGGTATACATGTTTTATTTAAATTGTACGAAAGGGGAATTTAAAAAATATGTAA
CTGCTGTTTATACATTGGCTCCTTACTGCTTATTAATCTGTATTGTACACATGATGAAAT
GAAGCAGAAGCTGGGAGTCGGCTTTCTCTAGTAACCACCACATGGCTCAGCATCTGTG
CCAAACATAGGCGCTCCTAGTCTGGTCAAGAGGCTACCAAGAACATGGGGCAGGT
GGCTGGTGTGGTGTCCCAGCCTAAGAGCCACCTGCTGCAGTTACCATGGCATGCTGAGT
TGATGCACCAGGTGGCAGCAGCCATCCGTTATTATTTCCAATGGAGACCTAGCCCAGGCC
AAGGTAAGTTAGTTAATAGCATTGGGATATAGTCACTGTAATGGTGTCTTAAACAAACA
GTCAACACCATTGATTTTTTAACTTCGTGTTCTGTATCTCCTCAGCCATGTATCTTAA
TATATTTTGCATCATAATCTTTCTTTATGGTGGGGCAGACTTTGCACTTACTGCAGTG
CAACACTTGCACTTAAATTTTCTCCAACCTGTCTAAAATTAGAGCAAATACATTGGCAAT
ACAGCTGCTTTTGTCTGAGCTACAATCATGGCTTTTCATGTTACTTACCAAGTGGTGT
TCTGGTTAGGAATCACAGCTGTAAAATTGATTTTCAGTTTATCACACTTCTTCATGATGTT
GCCCTAAATTTTGCACACTATATTCTTGTATATTATTTCAAATAAATGGAAAAAAAAGT
TGCTTATCTCTGAAAAAATAAAAAAAAAAAAAAAAAAAAAA
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**Restriction Sites:**

ECoRI-NOT

**ACCN:**

NM\_012257

<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><a href="#">NM_012257.3</a></u> , <u><a href="#">NP_036389.2</a></u>
<b>RefSeq Size:</b>	2858 bp
<b>RefSeq ORF:</b>	1545 bp
<b>Locus ID:</b>	26959
<b>UniProt ID:</b>	<u><a href="#">O60381</a></u>
<b>Cytogenetics:</b>	7q22.3
<b>Domains:</b>	HMG, AXH
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>Transcriptional repressor that binds to the promoter region of target genes. Plays a role in the regulation of the cell cycle and of the Wnt pathway. Binds preferentially to the sequence 5'-TTCATTCATTCA-3'. Binding to the H1F0 promoter is enhanced by interaction with RB1. Disrupts the interaction between DNA and TCF4.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains an alternate 5' exon and uses a downstream start codon, compared to variant 1. Isoform 2 has a shorter N-terminus, compared to isoform 1.</p>