

## Product datasheet for **SC115466**

### 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:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene ORF within SC115466 sequence for NM\_012257 edited (data generated by NextGen Sequencing)

```

ATGGTGTGGGAAGTGAAGACAAATCAGATGCCTAATGCAGTACAGAACTCCTGTTGGTG
ATGGACAAGAGAGCCTCAGGAATGAATGACTCATTGGAGTTGCTGCAGTGAATGAGAAT
TTGCCATCTTCACCTGGATATAACTCCTGTGATGAACACATGGAGCTTGATGACCTTCT
GAACTTCAGGCAGTTCAAAGTGATCCTACCCAATCTGGCATGTACCAGCTGAGTTCAGAT
GTTTCACATCAAGAATACCCAAGATCATCTTGGAAACAAAATACCTCAGACATACCAGAA
ACTACTTACCGTAAAAATGAGGTGGACTGGCTAACAGAATTGGCAAATATCGCGACCAGT
CCACAAAAGTCCACTGATGCAGTGCTCATTTTACAATAGATCATCTCCTGTACACATCATA
GCCACTAGCAAAAAGTTTACATTCCTATGCACGCCCTCCACCAGTGCCTCTTCTTGAAG
AGTGAACCAGCCTTCCCTCATCACCATTGGAAGGAGGAAACACCAGTAAGACACGAAAGG
GCAAATAGTGAGTCAGAATCTGGCATTCTTGCATGCTCCTCCCTGTCAGATGATGATGAT
TTGGGATGGTGAATTCCTGGCCTTCAACTGTCTGGCACTGTTTTTGAAGGCACACGA
CTGTGCTTTCATAAGGGAAGCAATAAGGAATGGCAAGATGTTGAAGATTTTGTAGAGCT
GAAGGCTGTGATAATGAGGAAGATCTTCAAATGGGCATTACAAGGGCTATGGTTCTGAT
GGTCTAAAAGTTGTTATACATGAAGAAAAGTGTATCATTGGCGAGTCTGTACTGAAGTTG
ACTTTTGTACCTGGTACAGTAGAAGATGGTTTACTTACCGTAGAGTGTAAAGTGGACCAC
CCTTTCTATGTTAAAAATAAAGGTTGGTCATCATTTTATCCAAGCTTGACTGTGGTACAG
CATGGCATTCCATGTTGTGAAGTTCATATTGGCGATGTATGTCTACCTCCTGGACACCC
GATGCCATTAATTTTGTGATTCAGGTGTTTTTGTACATTTAAAAGCTATGACTTCACA
CCTATGGATTCTCTGCAGTTTATGTGTTAAGTAGTATGGCTCGCCAGCGTCGTGCATCT
TTGTCTTGTGGAGGACCTGGTGGTCAAGACTTTGCAAGATCTGGATTGAGTAAAAACTGT
GGCTCACCTGGATCATCACAGCTCTCTTCCAATCTTTGTATGCTAAAGCTGTCAAAAAC
CACAGCTCAGGGACTGTGAGTGCCACTTCTCCTAATAAGTGCAAAAAGACCAATGAATGCC
TTCATGCTTTTTTCCAAAAAATACAGAGTTGAATATACTCAGATGTATCCAGGAAAAGAT
AACAGAGCCATAAGTGTGATCCTTGGTGACAGGTGGAAGAAAATGAAGAATGAAGAGAGA
AGAATGTACACATTAGAAGCAAAGGCTTTGGCTGAAGAACAGAAAACGTTTAAATCCTGAC
TGTTGGAAGAGGAAAAGAACCAATTCAGGCTCACAAACATTA
    
```

Clone variation with respect to NM\_012257.3

**5' Read Nucleotide Sequence:**

```

>OriGene 5' read for NM_012257 unedited
TTGTATACGACTCACTATAGGCGCCGCGACTTCGGCACGAGGATGGCGACGGGTTTGGT
AAGTAGGAAAAGTTTCGGTTGAGGAGTAAGAGCTGCCGCGGGAGCAGTAACCCGCGCGGG
GAGGCCGACGTCGGTCGGAGAGGGGGTACGAGAGCTGCTGGTGGTGTGTCGTGGCCGGA
GCGGCCCGCGCCTGGGCTGCCGGCACTTCGCGGCAGTCAGAGCACCATAACATGGTGTGG
GAAGTGAAGACAAATCAGATGCCTAATGCAGTACAGAACTCCTGTTGGTGTGAGACAAG
AGAGCCTCAGGAATGAATGACTCATTGGAGTTGCTGCAGTGAATGAGAATTTGCCATCT
TCACCTGGATATAACTCCTGTGATGAACACATGGAGCTTGATGACCTTCTGAACTTCAG
GCAGTTCAAAGTATCCTACCCAATCTGGCATGTACCAGCTGAGTCNCAGATGTTTCACA
TCAAGAATACCCAAGATCATCTTGGAAACAAAATACCTCAGACATACCAGAACTACTTA
CCGTGAAATGGAGNGGGACTGGCTAACAGAATTGGCAAATATCGCGACCAGTCCACAAA
GTCCACTGGATGCAGTGCTCATTNACAAATAGATCATTCTNCTGTACACATCATAGCCAC
TAGCAAAAAGTTTACATTTCTATGCACGCCCTCAACCAGTGTCTCTTTTTNGAAGAGTGAA
CCAGCCTTNCCTACATTTGGGAAGGAGGAACACAGTAGAACGAAGGCNNATAGGGAGCA
GATCTGCATTTNGGATGTCTCCTGCAAAAAGAAAATANGGGGGGAGGGGCATTCTGCTTA
ACTGCTGAACCTGTTTTTGAAGCCACAAATGGCTCATAAGGACATAAGATGCAAAATTTT
NAAATTTCTACCTGAGTGATNNAAAAAA
    
```

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_012257 unedited CGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAACTTTTTTTTCCATTTAT TTGAAATAATATAACAAGAATATAGTGTGCAAAATTTAGGGGCAACATCATGAAGAAGTGT GATGAACTGAAATCAATTTTACAGCTGTGATTCCTAACCGAAACACCACTTGGTAAGTA ACATGAAAAGCCATGATTGTAGCTCAGAGCAAAAGCAGCTGTATTGCCAATGTATTTGCT CTAATTTTAGACAGTTGGAGGAAAATTAAGTGCAAGTGTGCACTGCAGTAAGTGCAAA GTCTGCCCCACCATAAAGATTATGATGACAAAATATATTTAAGATACATGGCTGAGGAG ATACAGAACACGAAGTTAAAAAATACAATGGTGTGACTGTTTGTAAATAGCACCATTAC AGTGACTATATCCCAATGCTATTAACAACTTTACCTTGGCCTGGGCTAGGTCTCCATTG GAAATAATAACGGATGGCTGCTGCCACCTGGTGCATCAACTCAGCATGCCATGGTAACTG CAGCAGGTGGCTCTTAGGCTGGGACACCAACACCAGCCACCTGCCCCATGTTCTGGTAGC CTCTTGGCACTGACCAGACTAGGAGCGCCTATGTTTGGCACAGATGCTGAGCCATGTGGT GGTTACTAGAGGAAAGCCGACTCCCAGCTTCTGCTTCATTTTCATCATGTGTACAATACA GATTAATAAGCCGTAAGGAGCCCATGTATAAACAGCAGGTACATATTTTTAAATCCCT TTTTGTACATTTAAATAAACATGTATACCCTTCTCCTCTCTTCTACTGGACTTTAAC CACCACAGAATTCATTTTCAGCCTATTATTACCTGATAGAATTTTTGAAGTTTGAAGAA AAAAAAGCAATTTGGCTAAAAGTTA
<b>Restriction Sites:</b>	ECoRI-NOT
<b>ACCN:</b>	NM_012257
<b>Insert Size:</b>	2930 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>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>	<a href="#">NM_012257.3</a> , <a href="#">NP_036389.2</a>
<b>RefSeq Size:</b>	2858 bp
<b>RefSeq ORF:</b>	1545 bp
<b>Locus ID:</b>	26959
<b>UniProt ID:</b>	<a href="#">O60381</a>
<b>Cytogenetics:</b>	7q22.3
<b>Domains:</b>	HMG, AXH
<b>Protein Families:</b>	Transcription Factors

**Gene Summary:**

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]

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.