

## Product datasheet for **MC228280**

### Hp1bp3 (NM\_001285478) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hp1bp3 (NM_001285478) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hp1bp3
Synonyms:	Hp1bp74
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC228280 representing NM\_001285478  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAACTGATATGTCTCAAGGTGAACATCCATCCTAAGGCACTCCACTTATAGTAGGAGCGCAGC  
 TGATCCACGCGGACAAGTTAGGTGAGAAAGCAGAAGATACCACCATGCCTATACGTCGAGCCGTGAATTC  
 TACCCGGGAAACTCCACCAAAAAGCAAACCTTGCTGAAGGGGAGGAAGAAAAACCAGAACCAGATGGAAGT  
 TCAGAGGAATCTATCTCTACTGTAGAAGAACAGGAGAATGAGACTCCACCTGCTACATCCAGTGAGGCAG  
 AGCAGCCCAAGGGGAGCCTGAGAGTGGAGAGAAGGAAGAGAACAACAAGTCTGCTGAGGAACCCAA  
 AAAGGATGAGAAGGATCAGTCTAAAGAAAAGGAGAAGAAAGTAAAAAGACGATTCTGCCTGGCGGACT  
 CTCTCTGCCAGCCAGCTAGCCAGGGCCAGAGACAAACCCCATGGCTTCTCCACAGGCCCAAGATGG  
 ACGCAATCTTAACTGAGGCCATTAAGGCATGCTCCAGAAGACTGGCGCCTCGGTGGTTGCGATTGAA  
 GTACATCATTATAAGTACCCGCTCTGGGTCTGGAGAGAAGGGCTATCTGCTCAAGCAAGCGCTGAAG  
 AGAGAGTTAAACAGAGGAGTCACTAGACAGGTAAGGAAAGGATGCATCTGGCAGTTTTGTTGTGGTCC  
 AGAAATCAAACACCTCAGAAATCAAAAACAGAAAGAGGGCTCGGCTCTGGATCCAGAACCAAGT  
 AAAACTGGAAGATGTTCTCCCGTTGGCTTTTACTCGGCTCTGTGAACCTAAAGAAGCTTCTACAGTCTC  
 ATCAGGAAATACGTGTCTCAGTATTACCCTAAGCTCAGAGTGGACATCAGGCCCCAGTTGTTGAAGAATG  
 CTCTGCAGCGAGCAGTAGAGAGAGGCCAGCTCGAGCAGATAACTGGCAAGGGTGCCTCGGGGACATTTCA  
 GCTGAAGAAATCAGGGGAGAAGCCCTGCTGGGTGGAAGCCTGATGGAATATGCAATCTTGTCTGCCATT  
 GCTGCCATGAACGAGCCTAAGACCTGCTCCACCCTGCTCTGAAGAAGTATGCTCTGGAGAACCACCCAG  
 GGGCCAACCTAACTATCAGATGCATTTGCTGAAAAAACCTGCAGAAATGTGAGAAGAACGGGTGGCT  
 GGAGCAGATCTCTGGGAAGGGTTCCAGCGCACCTTCCAGCTGTCTTCCCTACTACCCTAGCCAGGA  
 GTTCTATTTCCGAAGAAAGAATCCGGTGGCTCTGACGATGAAGATGAAGATGACGATGACGATGAATCAT  
 CAGAAGACTCTGAGGATGAGGAACCACCACCAAGAGGAGCTTACAGAAGAAAACACCAGCCAAGTCCCA  
 AGGGAAGACAGCCTCCATGAAGCAGAGAGGGTCAAGCCTGCGCGGAAAGTCCCGGCTGCCAGAGAGGG  
 AAAGTGAAGCCGCTGCCTAAGAAAGCTCCACCAAGGCCAAGACCCTGCCAGGAAAGCCAGACCCTCTC  
 CCTCAGTCATCAAGAAGCCTAGTGGGAGCTCTCCAGAAAGCCATAGCCAGTGCACGAAAGGAAGCGAA  
 ACTGCCCGGAAGGGCAAATCTGCCATGAAGAAGTCTTCAAGACAAAAAAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001285478
- Insert Size:** 1665 bp
- 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001285478.1](#), [NP\\_001272407.1](#)

**RefSeq Size:** 4911 bp

**RefSeq ORF:** 1665 bp

**Locus ID:** 15441

**UniProt ID:** [Q3TEA8](#)

**Cytogenetics:** 4 D3

**Gene Summary:** Component of heterochromatin that maintains heterochromatin integrity during G1/S progression and regulates the duration of G1 phase to critically influence cell proliferative capacity. May play a role in hypoxia-induced oncogenesis.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (4) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 4 all encode 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.