

## Product datasheet for **MC228275**

### **Hp1bp3 (NM\_001285479) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hp1bp3 (NM_001285479) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hp1bp3
Synonyms:	Hp1bp74
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228275 representing NM\_001285479  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAACTGATATGTCTCAAGGTGAACATCCATCCTAAGGCACTCCACTTATAGTAGGAGCGCAGC  
 TGATCCACGCGGACAAGTTAGGTGAGAAAGCAGAAGATACCACCATGCCTATACGTCGAGCCGTGAATTC  
 TACCCGGGAAACTCCACCAAAAAGCAAACCTTGCTGAAGGGGAGGAAGAAAAACCAGAACCAGATGGAAGT  
 TCAGAGGAATCTATCTCTACTGTAGAAGAACAGGAGAATGAGACTCCACCTGCTACATCCAGTGAGGCAG  
 AGCAGCCCAAGGGGAGCCTGAGAGTGGAGAGAAGGAAGAGAACAACAAGTCTGCTGAGGAACCCAA  
 AAAGGATGAGAAGGATCAGTCTAAAGAAAAGGAGAAGAAAGTGAAGAAAGACGATTCTGCCTGGCGACT  
 CTCTCTGCCAGCCAGCTAGCCAGGGCCAGAGACAAACCCCATGGCTTCTCCACAGGCCCAAGATGG  
 ACGCAATCTTAAGTACCGTCTCTGGGTCTGGAGAGAAGGGCTATCTGCTCAAGCAAGCGCTGAAG  
 GTACATCATTATAAGTACCGTCTCTGGGTCTGGAGAGAAGGGCTATCTGCTCAAGCAAGCGCTGAAG  
 AGAGAGTTAAACAGAGGAGTCACTAGACAGGTAAGGAAAGGATGCATCTGGCAGTTTTGTTGGTCC  
 AGAAATCAAACACCTCAGAAATCAAAAACAGAAAGGGCTCGGCTCTGGATCCAGAACCACAAGTAA  
 ACTGGAAGATGTTCTCCCGTTGGCTTTACTCGGCTCTGTGAACCTAAAGAAAGCTTCTACAGTCTCATC  
 AGGAAATACGTGTCTCAGTATTACCTAAGCTCAGAGTGGACATCAGGCCCCAGTTGTTGAAGAATGCTC  
 TGCAGCGAGCAGTAGAGAGAGGCCAGCTCGAGCAGATAACTGGCAAGGGTGTTCGGGGACATTTAGCT  
 GAAGAAATCAGGGGAGAAGCCCTGTGGGTGGAAGCCTGATGGAATATGCAATCTTGTCTGCCATTGCT  
 GCCATGAACGAGCCTAAGACCTGCTCCACACTGCTCTGAAGAAGTATGCTCTGGAGAACCACCCAGGGG  
 CCAACTTAATATCAGATGCATTTGCTGAAAAAACCTGCAGAAATGTGAGAAGAACGGGTGGCTGGA  
 GCAGATCTCTGGGAAGGGTTCAGCGGCACCTCCAGCTGTCTTCCCCTACTACCTAGCCCAGGAGTT  
 CTATTTCCGAAGAAGAATCCGGTGGCTCTGACGATGAAGATGAAGATGACGATGACGATGAATCATCAG  
 AAGACTCTGAGGATGAGGAACCACCACCAAGAGGAGCTTACAGAAGAAAAACCAGCCAAGTCCCAAGG  
 GAAGACAGCCTCCATGAAGCAGAGAGGGTGAAGCCTGCGCGGAAAGTCCCGGCTGCCAGAGAGGGAAA  
 GTGAGGCCGCTGCCTAAGAAAGCTCCACCAAGGCCAAGACCCCTGCCAGGAAAGCCAGACCCTCTCCCT  
 CAGTCATCAAGAAGCCTAGTGGAGCTCCTCCAGAAAGCCATAGCCAGTGCACGAAAGGAAGCGAAACT  
 GCCCGGAAGGGCAAATCTGCCATGAAGAAGTCTTTCAAGACAAAAAAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001285479
- Insert Size:** 1662 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\\_001285479.1](#), [NP\\_001272408.1](#)

**RefSeq Size:** 4849 bp

**RefSeq ORF:** 1662 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 (5) uses an alternate in-frame splice site in the central coding region, compared to variant 1, resulting in an isoform (3) that 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.