

## Product datasheet for **MC228074**

### Hp1bp3 (NM\_001285480) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hp1bp3 (NM_001285480) 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:** >MC228074 representing NM\_001285480  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCTATACGTCGAGCCGTGAATTCTACCCGGGAACTCCACCCAAAAGCAAATTGCTGAAGGGGAGG  
 AAGAAAAACAGAGAAGAACAGGAGAATGAGACTCCACCTGCTACATCCAGTGAGGCAGAGCAGCCCAAGG  
 GGAGCCTGAGAGTGGAGAGAAGGAAGAGAACAACAAGTCTGCTGAGGAACCCAAAAAGGATGAGAAG  
 GATCAGTCTAAAGAAAAGGAGAAGAAAGTAAAAAGACGATTCCTGCCTGGGCGACTCTCTGCCAGCC  
 AGCTAGCCAGGGCCAGAGACAAACCCCATGGCTTCTCCACGGCCCAAGATGGACGCAATCTTAAC  
 TGAGGCCATTAAGGCATGCTTCCAGAAGACTGGCGCTCGGTGGTTGCGATTGAAAGTACATCATTAT  
 AAGTACCCGTCTCTGGTCTGGAGAGAAGGGCTATCTGCTCAAGCAAGCGCTGAAGAGAGAGTTAAACA  
 GAGGAGTCATCAGACAGGTAAGGAAAAGGTGCATCTGGCAGTTTTGTTGTGGTCCAGAAATCAAACC  
 ACCTCAGAAATCCAAAAACAGAAAGAAGGGCTCGGCTCTGGATCCAGAACCACAAGTAAACTGGAAGAT  
 GTTCTCCCGTTGGCTTTTACTCGGCTCTGTGAACCTAAAGAAGCTTCTACAGTCTCATCAGGAAATACG  
 TGTCTCAGTATTACCCTAAGCTCAGAGTGGACATCAGGCCCAAGTTGTTGAAGAATGCTCTGCAGCGAGC  
 AGTAGAGAGAGGCCAGCTCGAGCAGATAACTGGCAAGGGTCTTCGGGGACATTTAGCTGAAGAAATCA  
 GGGGAGAAGCCCTGCTGGGTGGAAGCCTGATGGAATATGCAATCTTGTCTGCCATTGCTGCCATGAACG  
 AGCCTAAGACCTGCTCCACCACTGCTCTGAAGAAGTATGCTCTGGAGAACCACCCAGGGGCCAAGCTAA  
 CTATCAGATGCAATTTGCTGAAAAAACCTGCAGAAATGTGAGAAGAACGGGTGGCTGGAGCAGATCTCT  
 GGAAGGGGTTGAGCGGCACCTTCCAGCTGTCTTCCCCTACTACCCTAGCCAGGAGTTCTATTTCCGA  
 AGAAAGAATCCGGTGGCTCTGACGATGAAGATGAAGATGACGATGACGATGAATCATCAGAAGACTCTGA  
 GGATGAGGAACCAACCAAGAGGAGCTTACAGAAGAAAAACACCAAGTCCCAAGGGGAAAGCAGCC  
 TCCATGAAGCAGAGAGGGTGAAGCCTGCGCGGAAAGTCCCGGCTGCCAGAGAGGGAAAGTGAAGCCGC  
 TGCCCTAAGAAAGCTCCACCAAGGCCAAGACCCCTGCCAGGAAAGCCAGACCCCTCTCCCTCAGTCATCAA  
 GAAGCCTAGTGGGAGCTCTCCAGAAAGCCATAGCCAGTGCACGAAAGGAAGCGAAACTGCCCGGGAAG  
 GGCAAATCTGCCATGAAGAAGTCTTTCAAGACAAAAAAG**TAA**

**ACGGT**ACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001285480
- Insert Size:** 1512 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\\_001285480.1](#), [NP\\_001272409.1](#)

**RefSeq Size:** 4615 bp

**RefSeq ORF:** 1512 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 (6) lacks a portion of the 5' UTR and 5' coding region, initiates translation at a downstream in-frame start codon, and uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. The encoded isoform (4) is shorter at the N-terminus, compared to 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.