

Product datasheet for **MC228234**

Hp1bp3 (NM_001285481) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hp1bp3 (NM_001285481) 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)



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Fully Sequenced ORF: >MC228234 representing NM_001285481
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAACTGATATGTCTCAAGGTGAACACTCATCCATCCTAAGGCACTCCCACTTATAGTAGGAGCGCAGC
 TGATCCACGCGGACAAGTTAGGTGAGAAAGCAGAAGATACCACCATGCCTATACGTCGAGCCGTGAATTC
 TACCCGGGAAACTCCACCCAAAAGCAAACCTTGCTGAAGGGGAGGAAGAAAAACCAGAAGAACAGGAGAAT
 GAGACTCCACCTGCTACATCCAGTGAGGCAGAGCAGCCCAAGGGGGAGCCTGAGAGTGGAGAGAAGGAAG
 AGAACACAACAAGTCTGCTGAGGAACCCAAAAGGATGAGAAGGATCAGTCTAAAGAAAAGGAGAAGAA
 AGTAAAAAGACGATTCTGCCTGGCGACTCTCTCTGCCAGCCAGCTAGCCAGGGCCCAGAGACAAACC
 CCCATGGCTTCTCCACGGCCCAAGATGGACGCAATCTTAAGTGGCCATTAAGGCATGCTTCCAGA
 AGACTGGCGCCTCGGTGGTTGCGATTGAAAGTACATCATTATAAGTACCCGTCTCTGGGTCTGGAGAG
 AAGGGGCTATCTGCTCAAGCAAGCGCTGAAGAGAGAGTTAAACAGAGGAGTCATCAGACAGGTAAAAGGA
 AAAGGTGCATCTGGCAGTTTTGTTGTGGTCCAGAAATCAAACCACCTCAGAAATCCAAAAACAGAAAGA
 AGGGCTCGGCTCTGGATCCAGAACCACAAGTAAAAGTGAAGATGTTCTCCCGTTGGCTTTTACTCGGCT
 CTGTGAACCTAAAGAAGCTTCTACAGTCTCATCAGGAAATACGTGTCTCAGTATTACCCTAAGCTCAGA
 GTGGACATCAGGCCCCAGTTGTTGAAGAATGCTCTGCAGCGAGCAGTAGAGAGAGGCCAGCTCGAGCAGA
 TAACTGGCAAGGGTGCTTCGGGGACATTCAGCTGAAGAAATCAGGGGAGAAGCCCTGCTGGGTGGAAAG
 CCTGATGGAATATGCAATCTTGTCTGCCATTGCTGCCATGAACGAGCCTAAGACCTGCTCCACCCTGCT
 CTGAAGAAGTATGTCCTGGAGAACCACCCAGGGGCCAACTCTAACTATCAGATGCATTTGCTGAAAAAAA
 CCCTGCAGAAATGTGAGAAGACGGGTGGCTGGAGCAGATCTCTGGGAAGGGGTTTCAGCGGCACCTTCCA
 GCTGTCCTTCCCCTACTACCCTAGCCCAGGAGTTCTATTTCCGAAGAAAGAATCCGGTGGCTCTGACGAT
 GAAGATGAAGATGACGATGACGATGAATCATCAGAAGACTCTGAGGATGAGGAACCACCACCCAAGAGGA
 GCTTACAGAAGAAAAACCCAGCCAAGTCCCAAGGGAAGACAGCCTCCATGAAGCAGAGAGGGTTCGAAGCC
 TGCGCGGAAAGTCCCGGCTGCCAGAGAGGGAAAGTGAAGCCGCTGCCTAAGAAAGCTCCACCCAAGGCC
 AAGACCCCTGCCAGGAAAGCCAGACCCTCTCCCTCAGTCATCAAGAAGCCTAGTGGGAGCTCTCCAGAA
 AGCCCATAGCCAGTGCACGAAAGGAAGCGAAACTGCCCGGAAGGGCAAATCTGCCATGAAGAAGTCTTT
 CAAGACAAAAAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001285481
- Insert Size:** 1626 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_001285481.1](#), [NP_001272410.1](#)

RefSeq Size: 4813 bp

RefSeq ORF: 1626 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 (7) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in an isoform (5) 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.