

## Product datasheet for **MR230491**

### Hp1bp3 (NM\_001285478) Mouse Tagged ORF Clone

#### Product data:

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



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**ORF Nucleotide Sequence:**

>MR230491 representing NM\_001285478  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAACTGATATGTCTCAAGGTGAACATCCATCCTAAGGCACTCCACTTATAGTAGGAGCGCAGC  
 TGATCCACGCGGACAAGTTAGGTGAGAAAGCAGAAGATACCACCATGCCTATACGTCGAGCCGTGAATTC  
 TACCCGGGAAACTCCACCAAAAAGCAAACCTTGCTGAAGGGGAGGAAGAAAAACCAGAACCAGATGGAAGT  
 TCAGAGGAATCTATCTCTACTGTAGAAGAACAGGAGAATGAGACTCCACCTGCTACATCCAGTGAGGCAG  
 AGCAGCCCAAGGGGAGCCTGAGAGTGGAGAGAAGGAAGAGAACAACAAGTCTGCTGAGGAACCCAA  
 AAAGGATGAGAAGGATCAGTCTAAAGAAAAGGAGAAGAAAGTAAAAAGACGATTCTGCCTGGCGGACT  
 CTCTCTGCCAGCCAGCTAGCCAGGGCCAGAGACAAACCCCATGGCTTCTCCACAGGCCCAAGATGG  
 ACGCAATCTTAAGTACCGTCTCTGGGTCTGGAGAGAAGGGCTATCTGCTCAAGCAAGCGCTGAAG  
 AGAGAGTTAAACAGAGGAGTCACTAGACAGGTAAGGAAAGGATGCATCTGGCAGTTTTGTTGGTCC  
 AGAAATCAAACACCTCAGAAATCAAAAACAGAAAGAGGGCTCGGCTCTGGATCCAGAACCAAGT  
 AAAACTGGAAGATGTTCTCCCGTTGGCTTTTACTCGGCTCTGTGAACCTAAAGAAGCTTCTACAGTCTC  
 ATCAGGAAATACGTGTCTCAGTATTACCCTAAGCTCAGAGTGGACATCAGGCCCCAGTTGTTGAAGAATG  
 CTCTGCAGCGAGCAGTAGAGAGAGGCCAGCTCGAGCAGATAACTGGCAAGGGTGTTCGGGGACATTTCA  
 GCTGAAGAAATCAGGGGAGAAGCCCTGCTGGGTGGAAGCCTGATGGAATATGCAATCTTGCTGCCATT  
 GCTGCCATGAACGAGCCTAAGACCTGCTCCACCCTGCTCTGAAGAAGTATGCTGGAGAACCACCCAG  
 GGGCCAACCTAACTATCAGATGCAATTTGCTGAAAAAACCCCTGCAGAAATGTGAGAAGAACCAGGTTG  
 GGAGCAGATCTCTGGGAAGGGGTTCCAGCCGACCTTCCAGCTGTCTTCCCTACTACCCTAGCCAGGA  
 GTTCTATTTCCGAAGAAAGAATCCGGTGGCTCTGACGATGAAGATGAAGATGACGATGACGATGAATCAT  
 CAGAAGACTCTGAGGATGAGGAACCACCACCAAGAGGAGCTTACAGAAGAAAACACCAGCCAAGTCCCA  
 AGGGAAGACAGCCTCCATGAAGCAGAGAGGGTGAAGCCTGCGCGGAAAGTCCCGGCTGCCAGAGAGGG  
 AAAGTGAAGCCGCTGCCTAAGAAAGCTCCACCAAGGCCAAGACCCTGCCAGGAAAGCCAGACCCTCTC  
 CCTCAGTCATCAAGAAGCCTAGTGGGAGCTCTCCAGAAAGCCATAGCCAGTGCACGAAAGGAAGCGAA  
 ACTGCCCGGAAGGGCAAATCTGCCATGAAGAAGTCTTCAAGACAAAAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230491 representing NM\_001285478  
 Red=Cloning site Green=Tags(s)

MATDMSQGELIHPKALPLIVGAQLIHADKLGKAEEDTTMPIRRANSTRETPPKSKLAEGEEEEKPEPDGS  
 SEESISTVEEQENETPPATSSEAEQPKGEPESGEKEENNNKSAEPPKKDEKQSKKEKKVKKTIIPAWAT  
 LSASQLARAQRQTPMASSPRPKMDAILTEAIKACFQKTGASVVAIRKYI IHKYPSLGLERRGYLLKQALK  
 RELNRGVIRQVKGKASGSFVVVQKSKPPQKSKNRKKSALDPEPQVKLEDVLPPLAFTRLCEPKEASYSL  
 IRKYVSQYYPKLRVDIRPQLLNALQRAVERGQLEQITGKASGTFQLKKSgekPllGGSMEYAILSAI  
 AAMNEPKTSTTALKKYVLENHPGANSNYQMHLKTLQKCEKNGWLEQISGKFSGTFQLSFPYYPSPG  
 VLFPKKESGGSDDEDEDDDESEDEEPPPKRSLQKTPAKSQGKTASMKQRGSKPARKVPAARQ  
 KVRPLPKKAPPKAKTPARKARPSVVIKPSGSSSRKPIASARKEAKLPKGKKSAMKKSFKTKK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>ACCN:</b>	NM_001285478
<b>ORF Size:</b>	1662 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001285478.1</a> , <a href="#">NP_001272407.1</a>
<b>RefSeq Size:</b>	4911 bp
<b>RefSeq ORF:</b>	1665 bp
<b>Locus ID:</b>	15441
<b>UniProt ID:</b>	<a href="#">Q3TEA8</a>
<b>Cytogenetics:</b>	4 D3
<b>MW:</b>	61.3 kDa
<b>Gene Summary:</b>	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]