

## Product datasheet for **MR208785**

### Hp1bp3 (NM\_001122897) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hp1bp3 (NM_001122897) 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:**

>MR208785 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCAACTGACATGTCTCAAGGTGAACATCCATCCTAAGGCACTCCACTTATAGTAGGAGCGCAGC  
 TGATCCACGCGGACAAGTTAGGTGAGAAAGCAGAAGATACCACCATGCCTATACGTCGAGCCGTGAATTC  
 TACCCGGGAAACTCCACCAAAAAGCAAACCTTGCTGAAGGGGAGGAAGAAAAACCAGAACCAGATGGAAGT  
 TCAGAGGAATCTATCTCTACTGTAGAAGAGCAGGAGAATGAGACTCCACCTGCTACATCCAGTGAGGCAG  
 AGCAGCCCAAGGGGAGCCTGAGAGTGGAGAGAAGGAAGAGAACAACAGCAAGTCTGCTGAGGAACCCAA  
 AAAGGATGAGAAGGATCAGTCTAAAGAAAAGGAGAAGAAAGTAAAAAGACGATTCTGCCTGGCGGACT  
 CTCTCTGCCAGCCAGCTAGCCAGGGCCAGAGACAAACCCCATGGCTTCTCCACAGGCCCAAGATGG  
 ACGCAATCTTAAGTACCCCTTCTGGATCTGGAGAGAAGGGCTATCTCCTTAAGCAAGCACTGAAG  
 AGAGAGTTAAACAGAGGAGTCAAAACAGGTAAGGAAAGGATGCATCTGGCAGTTTTGTTGTGGTCC  
 AGAAATCAAAACCACCTCAGAAATCAAAAACAGAAAGAGGGCTCGGCTCTGGATCCAGAACCAAGT  
 AAAACTGGAAGATGTTCTCCCGTTGGCTTTTACTCGGCTCTGTGAACCTAAAGAAGCTTCTACAGTCTC  
 ATCAGGAAATACGTGTCTCAGTATTACCCTAAGCTCAGAGTGGACATCAGGCCCCAGTTGTTGAAGAATG  
 CTCTGCAGCGAGCAGTAGAGAGAGGCCAGCTCGAGCAGATAACTGGCAAGGGTGCCTCGGGGACATTTCA  
 GCTGAAGAAATCAGGGGAGAAGCCCTGCTGGGTGGAAGCCTGATGGAATATGCAATCTTGCTGCCATT  
 GCTGCCATGAACGAGCCTAAGACCTGCTCCACCCTGCTCTGAAGAAGTATGCTGGAGAACCACCCAG  
 GGGCCAACCTAACTATCAGATGCATTTGCTGAAAAAACCCCTGCAGAAATGTGAGAAGAACCGGGTGGT  
 GGAGCAGATCTCTGGGAAGGGGTTCAAGTGGCACCTTCCAGCTGTCTTCCCTACTACCCTAGCCAGGA  
 GTTCTATTTCCGAAGAAAGAATCCGGTGGCTCTGATGATGAAGATGACGATGACGATGACGATGAATCAT  
 CAGAAGACTCTGAGGATGAGGAACCACCACCAAGAGGAGCTTACAGAAGAAAACACCAGCCAAGTCCCA  
 AGGGAAGACAGCCTCCATGAAGCAGAGAGGGTGAAGCCTGCGCGGAAAGTCCCGGCTGCCAGAGAGGG  
 AAAGTGAAGCCGCTGCCTAAGAAAGCTCCGCCAAGGCCAAGACCCTGCCAGGAAAGCCAGACCCTCTC  
 CCTCAGTCATCAAGAAGCCTAGTGGGAGCTCTCCAGAAAGCCATAGCCAGTGCACGAAAGGAAGCGAA  
 ACTGCCCGGAAGGGCAAATCTGCCATGAAGAAGCTTTTCAAGACAAAAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208785 protein sequence  
 Red=Cloning site Green=Tags(s)

MATDMSQGELIHPKALPLIVGAQLIHADKLGKAEEDTTMPIRRANSTRETPPKSKLAEGEEEEKPEPDGS  
 SEESISTVEEQENETPPATSSEAEQPKGEPESGEKEENNSKSAEPPKKDEKDQSKKEKKVKKTIIPAWAT  
 LSASQLARAQRQTPMASSPRPKMDAILTEAIKACFQKTGASVVAIRKYI IHKYPDLERRGYLLKQALK  
 RELNRGVIKQVKKGASGSFVVVQKSKPPQKSKNRKKSALDPEPQVKLEDVLPPLAFTRLCEPKEASYSL  
 IRKYVSQYYPKLRVDIRPQLLNALQRAVERGQLEQITGKASGTFQLKKSSEKPLLGGSLMEYAILSAI  
 AAMNEPKTCSTTALKKYVLENHPGANSNYQMHLLKTLQKCEKNGWLEQISGKFSGTFQLSFPYYPSPG  
 VLFPKKESGGSDDEDDDDDESEDSEDEEPPPKRSLQKTPAKSQGKTASMKQRGSKPARKVPAQRG  
 KVRPLPKKAPPKAKTPARKARPSVVIKPSGSSSRKPIASARKEAKLPKGKKSAMKKSFKTKK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

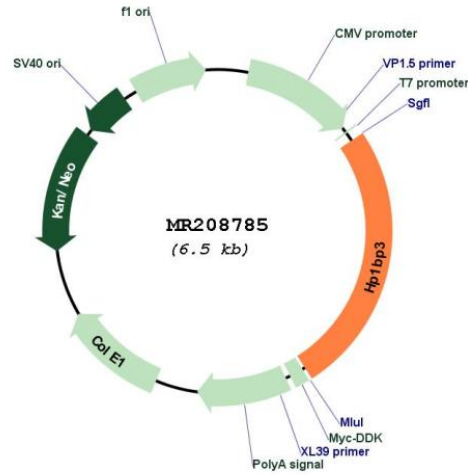
Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

Plasmid Map:



<b>ACCN:</b>	NM_001122897
<b>ORF Size:</b>	1665 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_001122897.1</a> , <a href="#">NM_001122897.2</a> , <a href="#">NP_001116369.1</a>
<b>RefSeq Size:</b>	4891 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>	60.9 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]