

Product datasheet for **MR230285**

Hp1bp3 (NM_001285480) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hp1bp3 (NM_001285480) 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:

>MR230285 representing NM_001285480
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTATACGTCGAGCCGTGAATTCTACCCGGGAACTCCACCCAAAAGCAAATTGCTGAAGGGGAGG
 AAGAAAAACCAGAAGAACAGGAGAATGAGACTCCACCTGCTACATCCAGTGAGGCAGAGCAGCCCAAGG
 GGAGCCTGAGAGTGAGAGAAGGAAGAGAACAACAAGTCTGCTGAGGAACCCAAAAAGGATGAGAAG
 GATCAGTCTAAAGAAAAGGAGAAGAAAGTAAAAAGACGATTCCTGCCTGGGCGACTCTCTCGCCAGCC
 AGCTAGCCAGGGCCAGAGACAAACCCCATGGCTTCTCCACGGCCCAAGATGGACGCAATCTTAAC
 TGAGGCCATTAAGGCATGCTTCCAGAAGACTGGCGCTCGGTGGTTGCGATTGAAAGTACATCATTAT
 AAGTACCCGCTCTGGGTCTGGAGAGAAGGGCTATCTGCTCAAGCAAGCGCTGAAGAGAGAGTTAAACA
 GAGGAGTCATCAGACAGGTAAGGAAAAGGTGCATCTGGCAGTTTTGTTGTGGTCCAGAAATCAAACC
 ACCTCAGAAATCCAAAAACAGAAAGAAGGGCTCGGCTCTGGATCCAGAACCACAAGTAAACTGGAAGAT
 GTTCTCCCGTTGGCTTTACTCGGCTCTGTGAACCTAAAGAAGCTTCTACAGTCTCATCAGGAAATACG
 TGTCTCAGTATTACCCTAAGCTCAGAGTGGACATCAGGCCCAAGTTGTTGAAGAATGCTCTGCAGCGAGC
 AGTAGAGAGAGGCCAGCTCGAGCAGATAACTGGCAAGGGTCTTCGGGGACATTTAGCTGAAGAAATCA
 GGGGAGAAGCCCTGCTGGGTGGAAGCCTGATGGAATATGCAATCTTGTCTGCCATTGCTGCCATGAACG
 AGCCTAAGACCTGCTCCACCACTGCTCTGAAGAAGTATGCTCTGGAGAACCACCCAGGGGCCAATCTAA
 CTATCAGATGCATTTGCTGAAAAAACCTGCAGAAATGTGAGAAGAACGGGTGGCTGGAGCAGATCTCT
 GGAAGGGGTTACGGCGCACCTTCCAGCTGTCTTCCCCTACTACCCTAGCCAGGAGTTCTATTTCCGA
 AGAAAGAATCCGGTGGCTGACGATGAAGATGAAGATGACGATGACGATGAATCATCAGAAAGACTGTA
 GGATGAGGAACCAACCAAGAGGAGCTTACAGAAGAAAAACCAAGCCCAAGTCCCAAGGGAAGACAGCC
 TCCATGAAGCAGAGAGGGTGAAGCCTGCGCGGAAAGTCCCGGCTGCCAGAGAGGGAAAGTGAAGCCGC
 TGCCCTAAGAAAGCTCCACCAAGGCCAAGACCCCTGCCAGGAAAGCCAGACCCCTCTCCCTCAGTCATCA
 GAAGCCTAGTGGGAGCTCTCCAGAAAGCCATAGCCAGTGCACGAAAGGAAGCGAAACTGCCCGGGAAG
 GGCAAATCTGCCATGAAGAAGTCTTTCAAGACAAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230285 representing NM_001285480
 Red=Cloning site Green=Tags(s)

MPIRRANSTRETPPKSKLAEGEEKPEEQENETPPATSSEAEQPKGEPESGEKEENNNKSAEPPKKDEK
 DQSKKEKVKVKKIPAWATLSASQLARAQRQTPMASSPRPKMDAILTEAIKACFQKTGASVVAIRKYIIH
 KYPSTGLERRGYLLKQALKRELNRGVIRQVKGKASGSFVVVQKSKPPQKSKNRKKGSAKDPEPQVKLED
 VLPLAFTRLCEPKEASYSLIRKYYSQYYPKLRVDIRPQLLKNALQRAVERGQLEQITGKASGTFQKKS
 GEKPLLLGSLMEYAILSAIAAMNEPKTCTTALKKYVLENHPGANSNYQMHLKKTQKCEKNGWLEQIS
 GKGFSGTFQLSFPYYPSPGVLFPKKESGGSDDEDEDDDDDESEDESEDEPPPKRSLQKKTPAKSQKTA
 SMKQRGSKPARKVPAARQKVRPLPKAPPKAKTPARKARPSVSIKPKSGSSSRKPIASARKEAKLPGK
 GKSAMKKSFKTKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

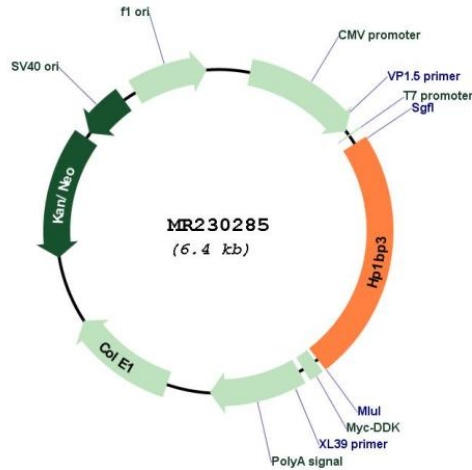
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001285480

ORF Size: 1509 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

MW: 56 kDa

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]