

Product datasheet for **MR230445**

Hp1bp3 (NM_001285481) Mouse Tagged ORF Clone

Product data:

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

>MR230445 representing NM_001285481
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAACTGATATGTCTCAAGGTGAACATCCATCCTAAGGCACTCCACTTATAGTAGGAGCGCAGC
 TGATCCACGCGGACAAGTTAGGTGAGAAAGCAGAAGATACCACCATGCCTATACGTCGAGCCGTGAATTC
 TACCCGGGAAACTCCACCAAAAAGCAAACCTTGCTGAAGGGGAGGAAGAAAAACCAGAAGAACAGGAGAAT
 GAGACTCCACCTGCTACATCCAGTGAGGCGAGCAGCCCAAGGGGGAGCCTGAGAGTGGAGAGAAGGAAG
 AGAACACAACAAGTCTGCTGAGGAACCAAAAAGGATGAGAAGGATCAGTCTAAAGAAAAGGAGAAGAA
 AGTAAAAAGACGATTCTGCTGGCGACTCTCTGCCAGCCAGTCCAGGAGCCAGAGACAAACC
 CCCATGGCTTCTCCACGGCCAAGATGGACGCAATCTTAAGTGGGCCATTAAGGCATGCTCCAGA
 AGACTGGCGCCTCGGTGGTTGCGATTGAAAGTACATCATTATAAGTACCCGCTCTGGGTCTGGAGAG
 AAGGGCTATCTGCTCAAGCAAGCGCTGAAGAGAGAGTTAAACAGAGGAGTCATCAGACAGTAAAAGGA
 AAAGGTGCATCTGGCAGTTTTGTTGTGGTCCAGAAATCAAACCACCTCAGAAATCCAAAAACAGAAAGA
 AGGGCTCGGCTCTGGATCCAGAACCACAAGTAAAAGTGAAGATGTTCTCCCGTTGGCTTTACTCGGCT
 CTGTGAACCTAAAGAAGCTTCTACAGTCTCATCAGGAAATACGTGTCTCAGTATTACCCTAAGCTCAGA
 GTGGACATCAGGCCCCAGTTGTTGAAGAATGCTCTGCAGCGAGCAGTAGAGAGAGGCCAGCTCGAGCAGA
 TAACTGGCAAGGGTGCTTCGGGGACATTCAGCTGAAGAAATCAGGGGAGAAGCCCTGCTGGGTGGAAG
 CCTGATGGAATATGCAATCTTGTCTGCCATTGCTGCCATGAACGAGCCTAAGACCTGCTCCACCCTGCT
 CTGAAGAAGTATGCTCTGGAGAACCACCCAGGGCCAACCTCTAACTATCAGATGCATTTGCTGAAAAA
 CCCTGCAGAAATGTGAGAAGAACGGGTGGCTGGAGCAGATCTCTGGGAAGGGGTTCCAGGCCACTTCCA
 GCTGTCCTTCCCCTACTACCCTAGCCAGGAGTTCTATTTCCGAAGAAAGAATCCGGTGGCTCTGACGAT
 GAAGATGAAGATGACGATGACGATGAATCATCAGAAGACTCTGAGGATGAGGAACCACCACCAAGAGGA
 GCTTACAGAAGAAAAACCCAGCCAAGTCCCAAGGGAAGACAGCCTCCATGAAGCAGAGAGGGTCAAGCC
 TGCGCGGAAAGTCCCGGCTGCCAGAGAGGAAAGTGAAGCCGCTGCCTAAGAAAGCTCCACCAAGGCC
 AAGACCCCTGCCAGGAAAGCCAGACCCTCTCCCTCAGTCATCAAGAAGCCTAGTGGGAGCTCTCCAGAA
 AGCCCATAGCCAGTGCACGAAAGGAAGCGAAACTGCCCGGAAGGGCAAATCTGCCATGAAGAAGTCTTT
 CAAGACAAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230445 representing NM_001285481
 Red=Cloning site Green=Tags(s)

MATDMSQGELIHPKALPLIVGAQLIHADKLGEKAEDTTMPIRRNVNSTRETPPKSKLAEGEEEEKPEEQEN
 ETTPATSSEAEQPKGEPESGEKEENNNKSAEPPKKDEKQSKKEKVKKTIPAWATLSASQLARAQRQT
 PMASSPRPKMDAILTEAIKACFQKTGASVVAIRKYIIHKYPSLGLERRGYLLKQALKRELNRGVIRQVKG
 KGASGSFVVVQKSKPPQKSKNRKKSALDPEPQVKLEDVLPALFTRLCEPKEASYSLIRKYVSQYYPKLR
 YDIRPQLLKNALQRAVERGQLEQITGKGASGTFQKKSSEKPLLLGGSLMEYAILSAIAAMNEPKTCTSTA
 LKKYVLENHPGANSNYQMHLKTLQKCEKNWLEQISGKFSGTFQLSFPYPPSPGVLPFKKESGGSDD
 EDEDDDDDESEDEEPPPKRSLQKTPAKSQGKTASMKQRGSKPARKVPAAQRGKVRPLPKKAPPKA
 KTPARKARPSVVIKKPSGSSSRKPIASARKEAKLPGKGSAMKKSFKTKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

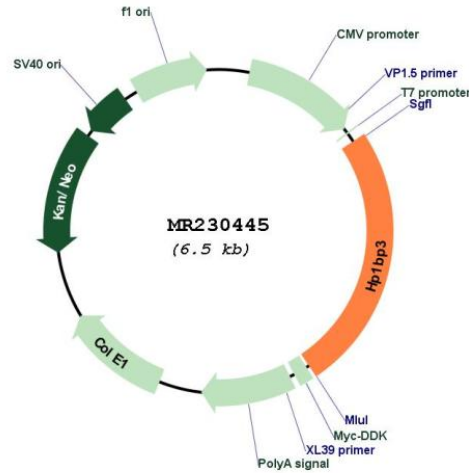
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001285481
ORF Size:	1623 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:	<ol style="list-style-type: none">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
MW:	60 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]