

Product datasheet for **MR216824**

Hp1bp3 (NM_010470) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hp1bp3 (NM_010470) 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:

>MR216824 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAACTGATATGTCTCAAGGTGAACATCCATCCTAAGGCACTCCCACTTATAGTAGGAGCGCAGC
 TGATCCACGCGGACAAGTTAGGTGAGAAAGCAGAAGATACCACCATGCCTATACGTCGAGCCGTGAATTC
 TACCCGGGAAACTCCACCAAAAAGCAAACCTTGCTGAAGGGGAGGAAGAAAAACCAGAACCAGATGGAAGT
 TCAGAGGAATCTATCTCTACTGTAGAAGAACAGGAGAATGAGACTCCACCTGCTACATCCAGTGAGGCAG
 AGCAGCCCAAGGGGAGCCTGAGAGTGGAGAGAAGGAAGAGAACAACAAGTCTGCTGAGGAACCCAA
 AAAGGATGAGAAGGATCAGTCTAAAGAAAAGGAGAAGAAAGTAAAAAGACGATTCTGCCTGGCGGACT
 CTCTCTGCCAGCCAGCTAGCCAGGGCCAGAGACAAACCCCATGGCTTCTCCACAGGCCCAAGATGG
 ACGCAATCTTAAGTACCGCTCTCTGGGTCTGGAGAGAAGGGCTATCTGCTCAAGCAAGCGCTGAAG
 AGAGAGTTAAACAGAGGAGTCACTAGACAGGTAAGGAAAGGTAAGTGCATCTGGCAGTTTTGTTGGTCC
 AGAAATCAAACACCTCAGAAATCAAAAACAGAAAGAGGGCTCGGCTCTGGATCCAGAACCAAGT
 AAAACTGGAAGATGTTCTCCCGTTGGCTTTTACTCGGCTCTGTGAACCTAAAGAAGCTTCTACAGTCTC
 ATCAGGAAATACGTGTCTCAGTATTACCCTAAGCTCAGAGTGGACATCAGGCCCCAGTTGTTGAAGAATG
 CTCTGCAGCGAGCAGTAGAGAGAGGCCAGCTCGAGCAGATAACTGGCAAGGGTGCCTCGGGGACATTTCA
 GCTGAAGAAATCAGGGGAGAAGCCCTGCTGGGTGGAAGCCTGATGGAATATGCAATCTTGCTGCCATT
 GCTGCCATGAACGAGCCTAAGACCTGCTCCACCCTGCTCTGAAGAAGTATGCTGGAGAACCACCCAG
 GGGCCAACTCTAACTATCAGATGCAATTTGCTGAAAAAACCCCTGCAGAAATGTGAGAAGAACGGGTGCT
 GGAGCAGATCTCTGGGAAGGGGTTCAAGCGCACCTTCCAGCTGTCTTCCCTACTACCCTAGCCAGGA
 GTTCTATTTCCGAAGAAAGAAATCCGGTGGCTCTGACGATGAAGATGAAGATGACGATGACGATGAATCAT
 CAGAAGACTCTGAGGATGAGGAACCACCACCAAGAGGAGCTTACAGAAGAAAACACCAGCCAAGTCCCA
 AGGGAAGACAGCCTCCATGAAGCAGAGAGGGTGAAGCCTGCGCGGAAAGTCCCGGCTGCCAGAGAGGG
 AAAGTGAAGCCGCTGCCTAAGAAAGCTCCACCAAGGCCAAGACCCTGCCAGGAAAGCCAGACCCTCTC
 CCTCAGTCATCAAGAAGCCTAGTGGGAGCTCTCCAGAAAGCCATAGCCAGTGCACGAAAGGAAGCGAA
 ACTGCCCGGAAGGGCAAATCTGCCATGAAGAAGTCTTCAAGACAAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216824 protein sequence
 Red=Cloning site Green=Tags(s)

MATDMSQGELIHPKALPLIVGAQLIHADKLGKAEEDTTMPIRRANSTRETPPKSKLAEGEEEEKPEPDGS
 SEESISTVEEQENETPPATSSAEQPKGEPESGEKEENNNKSAEPPKKDEKQSKKEKKVKKTIIPAWAT
 LSASQLARAQRQTPMASSPRPKMDAILTEAIKACFQKTGASVVAIRKYI IHKYPSLGLERRGYLLKQALK
 RELNRGVIHQVKGKASGSFVVVQKSKPPQKSKNRKKSALDPEPQVKLEDVLPFAFTRLCEPKEASYSL
 IRKYVSQYYPKLRVDIRPQLLNALQRAVERGQLEQITGKASGTFQLKKSgekPllGGSMEYAILSAI
 AAMNEPKTCSTTALKKYVLENHPGANSNYQMHLKTLQKCEKNGWLEQISGKFSGTFQLSFPYYPSPG
 VLFPKKESGGSDDEDEDDDESEDEEPPPKRSLQKKTAKSQGKTASMKQRGSKPARKVPAQRG
 KVRPLPKAPPKAKTPARKARPSVIAKPSGSSSRKPIASARKEAKLPKGKKSAMKKSFKTKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

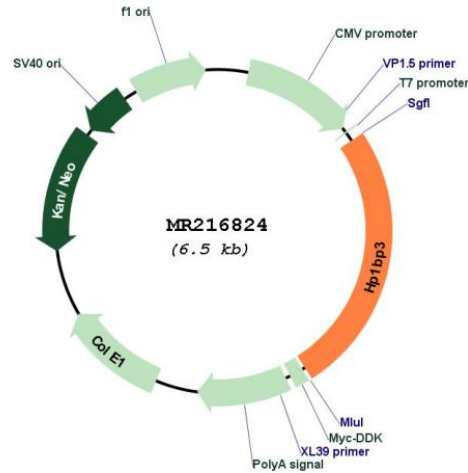
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_010470
ORF Size:	1662 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_010470.1
RefSeq Size:	4852 bp
RefSeq ORF:	1665 bp
Locus ID:	15441
UniProt ID:	Q3TEA8
Cytogenetics:	4 D3
MW:	60.9 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]