

Product datasheet for **MR230486**

Hp1bp3 (NM_001285479) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hp1bp3 (NM_001285479) 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:

>MR230486 representing NM_001285479
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAACTGATATGTCTCAAGGTGAACATCCATCCTAAGGCACTCCCACTTATAGTAGGAGCGCAGC
 TGATCCACGCGGACAAGTTAGGTGAGAAAAGCAGAAGATACCACCATGCCTATACGTCGAGCCGTGAATTC
 TACCCGGGAAACTCCACCAAAAAGCAAACCTTGCTGAAGGGGAGGAAGAAAAACCAGAACCAGATGGAAGT
 TCAGAGGAATCTATCTCTACTGTAGAAGAACAGGAGAATGAGACTCCACCTGCTACATCCAGTGAGGCAG
 AGCAGCCCAAGGGGAGCCTGAGAGTGGAGAGAAGGAAGAGAACAACAAGTCTGCTGAGGAACCCAA
 AAAGGATGAGAAGGATCAGTCTAAAGAAAAGGAGAAGAAAGTAAAAAGACGATTCTGCCTGGCGGACT
 CTCTCTGCCAGCCAGCTAGCCAGGGCCAGAGACAAACCCCATGGCTTCTCCACAGGCCCAAGATGG
 ACGCAATCTTAAGTACCGTCTCTGGGTCTGGAGAGAAGGGCTATCTGCTCAAGCAAGCGCTGAAG
 AGAGAGTTAAACAGAGGAGTCACTAGACAGGTAAGGAAAAGGTGCATCTGGCAGTTTTGTTGGTCC
 AGAAATCAAACACCTCAGAAATCAAAAACAGAAAGGGCTCGGCTCTGGATCCAGAACCACAAGTAA
 ACTGGAAGATGTTCTCCCGTTGGCTTTACTCGGCTCTGTGAACCTAAAGAAGCTTCTACAGTCTCATC
 AGGAAATACGTGTCTCAGTATTACCCTAAGCTCAGAGTGGACATCAGGCCCAAGTGTGGAAGATGCTC
 TGCAGCGAGCAGTAGAGAGAGGCCAGCTCGAGCAGATAACTGGCAAGGGTGTTCGGGGACATTTACAGT
 GAAGAAATCAGGGGAGAAGCCCTGTGGGTGGAAGCCTGATGGAATATGCAATCTGTCTGCCATTGCT
 GCCATGAACGAGCCTAAGACCTGCTCCACACTGCTCTGAAGAAGTATGCTCTGGAGAACCACCCAGGGG
 CCAACTTAATATCAGATGCATTTGCTGAAAAAACCTGCAGAAATGTGAGAAGAACGGGTGGTGGGA
 GCAGATCTCTGGGAAGGGTTCCAGCGCACCTCCAGCTGTCTTCCCCTACTACCTAGCCAGGAGGTT
 CTATTTCCGAAGAAGAATCCGGTGGCTCTGACGATGAAGATGAAGATGACGATGACGATGAATCATCAG
 AAGACTCTGAGGATGAGGAACCACCACCAAGAGGAGCTTACAGAAGAAAAACCAGCCAAGTCCCAAGG
 GAAGACAGCCTCCATGAAGCAGAGAGGGTGAAGCCTGCGCGGAAAGTCCCGGCTGCCAGAGAGGGAAA
 GTGAGGCCGCTGCCTAAGAAAGCTCCACCAAGGCCAAGACCCCTGCCAGGAAAGCCAGACCCTCTCCCT
 CAGTCATCAAGAAGCCTAGTGGGAGCTCTCCAGAAAGCCATAGCCAGTGCACGAAAGGAAGCGAAACT
 GCCCGGAAGGGCAAATCTGCCATGAAGAAGTCTTTCAAGACAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230486 representing NM_001285479
 Red=Cloning site Green=Tags(s)

MATDMSQGELIHPKALPLIVGAQLIHADKLGKAEEDTTPIRRNVNSTRETPPKSKLAEGEEEEKPEPDGS
 SEESISTVEEQENETPPATSSEAEQPKGEPESGEKEENNNKSAEPPKKDEKQSKKEKKVKKTIIPAWAT
 LSASQLARAQRQTPMASSPRPKMDAILTEAIKACFQKTGASVVAIRKYI IHKYPSLGLERRGYLLKQALK
 RELNRGVIHQVKGKASGSFVVVQKSKPPQKSKNRKGSALDPEPQVKLEDVLPALFTRLCEPKEASYSLI
 RKYVSYYPKLRVDIRPQLLKNALQRAVERGQLEQITGKGASGTFQLKKSSEKPLLLGGSLMEYAILSAIA
 AMNEPKTCSTTALKKYVLENHPGANSNYQMHLKTLQKCEKNGWLEQISGKGFSGTFQLSFPYYPSPGV
 LFPKKESSGSDDEDEDDDESEDESEDEEPPPKRSLQKKTAKSQGKTASMKQRGSKPARKVPAARQGRK
 VRPLPKKAPPKAKTPARKARPSVIAKPSGSSSRKPIASARKEAKLPGKGSAMKKSFKTKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

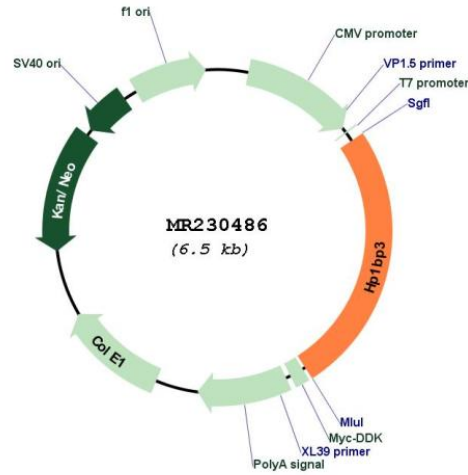
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001285479
ORF Size:	1659 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_001285479.1 , NP_001272408.1
RefSeq Size:	4849 bp
RefSeq ORF:	1662 bp
Locus ID:	15441
UniProt ID:	Q3TEA8
Cytogenetics:	4 D3
MW:	61.2 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]