

Product datasheet for **RR211181**

Hp1bp3 (NM_199108) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hp1bp3 (NM_199108) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hp1bp3
Synonyms:	MGC72624
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR211181 representing NM_199108
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAACTGATATGTCTCAAGGTGAACATCCATCCTAAGGCACTCCACTTATAGTAGGAGCTCAGC
 TGATCCACGCGGACAAGTTAGGTGAGAAAGCAGACGATAGCACCATGCCTATCCGTCGGGCTGTGAATTC
 TACTCGGGAAGTCCGCCAAAAGCAAAGTCTGCTGAAGGGGAAGAAGAAAAACCAGAACCAGATGGGAGT
 TCAGAGGAGTCTATCTCTACGGTAGAAGAACCAGAGAATGAGACTCCACCTGCTCCATCCAGGGAGGCAG
 AGCAGCCCAAGGGGAGCCTGAGAGTGGAGAGAAGGAAGAGCAAGTCTGCTGAGGAAACCAAGAAAGA
 AGAGAAGGATCAGTCTAAAGAAAAGGAGAAGAAAGTGAAGAAAACCATCCCTGCCTGGGCCACTCTGTCT
 GCCAGCCAGCTAGCCAGGGCCAGAAACAAACCCCAATGGCTTCTCCCCAGGCCAAAGATGGATGCAA
 TCTTAAGTGAAGCCATTAAGGCATGCTTCCAGAAGAGCGGTGCCTCCGTGGTTGCTATCCGGAAGTACAT
 CATTTCATAAGTACCTTCTCTGGATCTGGAGAGAAGGGGCTATCTCTCAAGCAAGCACTGAAAAGAGAG
 TTAACAGAGGAGTCAACACAGGTAAAAGGAAAAGGTGCATCTGGCAGTTTTGTGCTGGTCCAGAAAT
 CAAAAACCTCAGAAATCCAAAAACAGAAAGAAGGGCTCTGCAGTGGATCCAGAACCACAGTAAACT
 GGAAGATGTTCTCCATTGGCTTTACCCGACTCTGTGAACCTAAGGAAGCCTCCTACAGTCTCATCAGG
 AAATACGTGTCTCAGTATTACCTAAGCTTCGAGTGGACATCAGGCCCGAGTTGTTGAAGAATGCTCTGC
 AGAGAGCAGTGGAGAGAGGCCAGTTAGAGCAGATAACTGGCAAGGGTGCCTCGGGGACATTCCAGCTGAA
 GAAATCCGGGGAGAAACCCCTGCTTGGTGAAGCCTGATGGAATATGCAATCTTGTCTGCCATTGCTGCC
 ATGAATGAACCTAAGACCTGCTCCACTGCTCTGAAGAAGTATGCTCTGGAGAACCACCCAGGGACCA
 ATTCTAAGTACCAATGCATTTGCTGAAAAAACTCTGCAGAAATGTGAGAAGAATGGGTGGTGGAGCA
 GATCTCTGGGAAGGGTTACGCGCACCTTCCAGCTGTGCTTCCCTATTACCCAGCCAGGAGGATCTG
 TTTCAAAGAAAGTGTGAGATGGCTCTGAGGATGAGGATGAGGAGGAGGATGAAGAGGAGTCAAGAGG
 ACTCTGAGGATGAAGAGCCGCCACCAAGAGGAGCTTACAGAAGAAAACACCAGCCAAGCCCAAGGGAA
 GACGGCTCCATGAAGCAGAGAGGGCTAAGCCTGCGCGTAAAGTCCCTGCTGCCAGAGAGGGAAGGTG
 AGGCCGCTGCCTAAGAAAGCTCCGCCAAGGCTAAGACCCTGCCAGGAAAGGCAGACCCGACCCCTCAG
 CTGTCAAGAAGCCTAGCGGGAGCACCTCCAAAAAGCCGTAGCCAATGCACGAAAGGAAGCGAAACTGCC
 CGGTAAGGGTAAATCTGCCATGAAGAAGAAGTCTTTCAAGACAAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211181 representing NM_199108
 Red=Cloning site Green=Tags(s)

MATDMSQGELIHPKALPLIVGAQLIHADKLGKADSTMPIRRANSTRETPPKSKLAEGEEKPEPDGS
 SEESISTVEEPENETPPAPSREAEQPKGEPESGEKEESKSAEETKKEEKDQSKEKEKVKKTIIPAWATLS
 ASQLARAQKQTPMASSPRPKMDAILTEAIKACFQKSGASVVAIRKYIIHKYPSLDLERRGYLLKQALKRE
 LNRGVIKQVKGKASGSFVVVQKSKTPQKSKNRKKSASVDEPEPVKLEDVLPFLAFTRLCEPKEASYSLIR
 KYYSQYYPKLRVDIRPQLLKNALQRAVERGQLEQITGKGASGTFQLKKSGEKPLLLGSLMEYAILSAIAA
 MNEPKTCTTALKKYVLENHPGNTSNYQMHLKTLQKCEKNWLEQISGKGFSGTFQLCFYPPSPGVL
 FPKKVSDEDEDEEEDSEDEEPPPKRSLQKKTAKPQKGTASMKQKQAKPARKVPAARQKGV
 RPLPKKAPPKAKTPARKGRPAVKKPSGSTSKKPVANARKEAKLPGKGSAMKKKSFKTKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

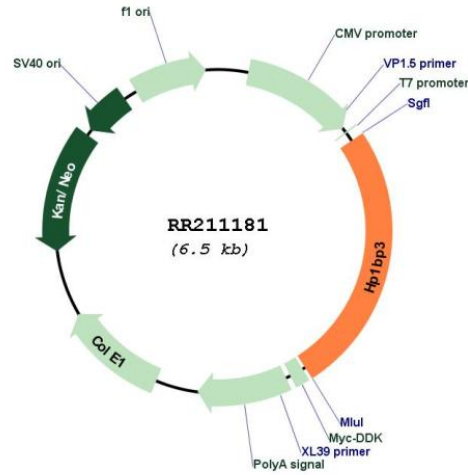
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_199108
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_199108.1 , NP_954539.1
RefSeq Size:	3304 bp
RefSeq ORF:	1662 bp
Locus ID:	313647
UniProt ID:	Q6P747
Cytogenetics:	5q36
MW:	60.8 kDa
Gene Summary:	mouse homolog may play a role in chromatin structure and function [RGD, Feb 2006]