

Product datasheet for **MG216824**

Hp1bp3 (NM_010470) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hp1bp3 (NM_010470) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hp1bp3
Synonyms:	Hp1bp74
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216824 representing NM_010470
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAACTGACATGTCTCAAGGTGAACATCCATCCTAAGGCACTCCCCTTATAGTAGGAGCGCAGC
 TGATCCACGCGGACAAGTTAGGTGAGAAAGCAGAAGATACCACCATGCCTATACGTCGAGCCGTGAATTC
 TACCCGGGAAACTCCACCAAAAAGCAAACCTTGCTGAAGGGGAGGAAGAAAAACCAGAACCAGATGGAAGT
 TCAGAGGAATCTATCTCTACTGTAGAAGAGCAGGAGAATGAGACTCCACCTGCTACATCCAGTGAGGCAG
 AGCAGCCCAAGGGGAGCCTGAGAGTGGAGAGAAGGAAGAGAACAACAGCAAGTCTGCTGAGGAACCCAA
 AAAGGATGAGAAGGATCAGTCTAAAGAAAAGGAGAAGAAAGTAAAAAGACGATTCTGCCTGGCGGACT
 CTCTCTGCCAGCCAGCTAGCCAGGGCCAGAGACAAACCCCATGGCTTCTCCACAGGCCCAAGATGG
 ACGCAATCTTAAGTACCCCTTCTGGATCTGGAGAGAAGGGCTATCTCCTTAAGCAAGCACTGAAG
 AGAGAGTTAAACAGAGGAGTCATCAAACAGGTAAGGAAAGGATGCATCTGGCAGTTTTGTTGGTCC
 AGAAATCAAACACCTCAGAAATCAAAAACAGAAAGAGGGCTCGGCTCTGGATCCAGAACCAAGT
 AAAACTGGAAGATGTTCTCCCGTTGGCTTTTACTCGGCTCTGTGAACCTAAAGAAGCTTCTACAGTCTC
 ATCAGGAAATACGTGCTCAGTATTACCCTAAGCTCAGAGTGGACATCAGGCCCCAGTTGTTGAAGAATG
 CTCTGCAGCGAGCAGTAGAGAGAGGCCAGCTCGAGCAGATAACTGGCAAGGGTGCCTCGGGGACATTTCA
 GCTGAAGAAATCAGGGGAGAAGCCCTGCTGGGTGGAAGCCTGATGGAATATGCAATCTTGCTGCCATT
 GCTGCCATGAACGAGCCTAAGACCTGCTCCACCCTGCTCTGAAGAAGTATGCTGGAGAACCACCCAG
 GGGCAACTCTAACTATCAGATGCATTTGCTGAAAAAACCCCTGCAGAAATGTGAGAAGAACGGGTGGT
 GGAGCAGATCTCTGGGAAGGGGTTCAAGTGGCACCTTCCAGCTGTCTTCCCTACTACCCTAGCCAGGA
 GTTCTATTTCCGAAGAAAGAAATCCGGTGGCTCTGATGATGAAGATGACGATGACGATGACGATGAATCAT
 CAGAAGACTCTGAGGATGAGGAACCACCACCAAGAGGAGCTTACAGAAGAAAACACCAGCCAAGTCCCA
 AGGGAAGACAGCCTCCATGAAGCAGAGAGGGTGAAGCCTGCGCGGAAAGTCCCGGCTGCCAGAGAGGG
 AAAGTGAAGCCGCTGCCTAAGAAAGCTCCGCCAAGGCCAAGACCCTGCCAGGAAAGCCAGACCCTCTC
 CCTCAGTCATCAAGAAGCCTAGTGGGAGCTCTCCAGAAAGCCCATAGCCAGTGCACGAAAGGAAGCGAA
 ACTGCCCGGAAGGGCAAATCTGCCATGAAGAAGTCTTCAAGACAAAAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216824 representing NM_010470
 Red=Cloning site Green=Tags(s)

MATDMSQGELIHPKALPLIVGAQLIHADKLGEKAEDTTMPIRRAVNSTRETPPKSKLAEGEEEEKPEPDGS
 SEESISTVEEQENETPPATSSEAEQPKGEPESGEKEENNSKSAEPPKDEKQDSKEKEKKVKKTIIPAWAT
 LSASQLARAQRQTPMASSPRPKMDAILTEAIKACFQKTGASVVAIRKYIIHKYPSLDLERRGYLLKQALK
 RELNRGVIKQVKGKASGSFVVVQKSKPPQKSKNRKKGSAKDPEPVKLEDVLPFLAFRLCEPKEASYSL
 IRKYVSYYPKLRVDIRPQLLNALQRAVERGQLEQITGKGASGTFQLKKSgekPLLGGSLMEYAILSAI
 AAMNEPKTCSTTALKKYVLENHPGANSNYQMHLKKTTLQKCEKNGWLEQISGKGFSGTFQLSFPYYPSPG
 VLFPPKESGGSDDEDDDDDESEDESEDEPPPKRSLQKKTAKSQGKTASMKQRGSKPARKVPAARQ
 KVRPLPKAPPKAKTPARKARSPSVIKKPSGSSSRKPIASARKEAKLPKGKKSAMKKSFKTKK

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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:

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: 3311 bp

RefSeq ORF: 1665 bp

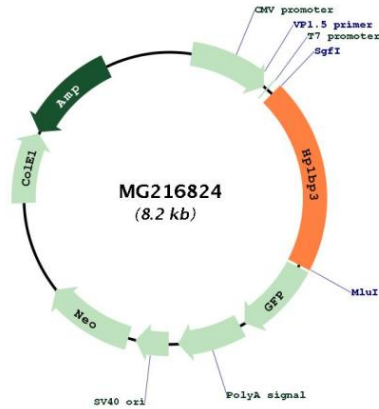
Locus ID: 15441

UniProt ID: [Q3TEA8](#)

Cytogenetics: 4 D3

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]

Product images:



Circular map for MG216824