

Product datasheet for **MC216521**

Hbp1 (NM_177993) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hbp1 (NM_177993) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hbp1
Synonyms:	1700058O05Rik; BE629963; C86454; C330012F01Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216521 representing NM_177993
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGACGGGTTTGTTCGGAGCACCATAACATGGTGTGGGAAGTGAAGACAAATCAGATGCCTAATGCAG
TACAGAAACTCCTGCTGGTGATGGACAAGAGAGCACCAGGGATGAGTGACTCGCTGGAGTTGCTGCAGTG
TAATGAGAATTTGCCATCCTCTCCAGGATACAACCTCTGTGATGAGCACATGGAGCTTGATGACCTTCT
GAACTTCAGGCTGTTCAAAGTGACCCTACCCAATCTGCCATATACCAGCTAAGTTCAGATGTATCTCATC
AAGAATATCCAAGATCATCTGGAGCCAGAATACCTCAGATATACCGAAAAATACTACCGTGAAGATGA
GGTGGACTGGCTAACAGAGTTAGCAAATATTGCCACTAGTCCACAAAGTCCCCTGATGCAGTGCTCATT
TATAACAGATCATCTCCTGTACACATCATAGCTACTAGCAAAGTTTACATTCTATGCACGCCACCAC
CAGTGTCTCTTCTTCAAAAAGTGGGCCAGCCTTCCCTCATGACCACTGGAAGGAAGAAACACCAGTAAG
ACATGAAAGGGCAAACAGTGAGTCAGAGTCAGGCATTTTCTGTATGTCCCTCCTGTCAGATGATGATGAT
CTGGGCTGGTGAATTCCTGGCCATCCACCATTTGGCACTGCTTTCTGAAAGGCACGCGGCTGTGCTTCC
ATAAGGAAAGCAATAAGGAATGGCAAGATGTGGAAGACTTTGCTAGAGCCGCCAGCTGTGATAATGAGGA
AGAGATCCAAATGGGCACTCACAAAGGGCTATGGGTCTGATGGTCTAAAGTTGTTATCCCATGAAGAGAGT
GTGTCAATTCGGTGAGTCTGTACTGAAGTTGACATTTGATCCTGGTACAGTAGAAGATGGCTTGCTCACTG
TAGAGTGCAAGCTGGACCACCCTTTCTATGTTAAAAATAAAGGTTGGTCGTCATTTTATCCAAGCTTGAC
TGTGGTACAGCATGGCATTCCATGTTGTGAAATTCATATTGGTGACGATGTCTACCTCCTGGACACCCT
GATGCCATTAATTTTCGATGATTCAGGTGTTTTTGATACATTTAAAAGCTATGACTTCACACCTATGGACT
CTTCTCGGGTCTATGTTTTGAGTAGTATGGCTCGTCAGCGCCGTGCATCTCTGCTTGTGGAGGAGGACC
TGGTACTGGTCAAGAGTTTTTCGGGATCTGAATTCAGTAAAAGCTGTGGTTCACCTGGATCATCACAGCTC
TCTTCTAGTTCTTGTATGCTAAAGCTGTCAAAGCCACAGCTCAGGGACTGTGAGTGCCACTTCTCCTA
ATAAGTGCAAAGACCAATGAATGCCTTCATGCTTTTTGCCAAAAATACAGAGTTGAATATACTCAGAT
GTATCCAGGAAAGATAACAGG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_177993

Insert Size: 1425 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_177993.3](#), [NP_818774.2](#)

RefSeq Size: 3045 bp

RefSeq ORF: 1425 bp

Locus ID: 73389

UniProt ID: [Q8R316](#)

Cytogenetics: 12 A3

Gene Summary: Transcriptional repressor that binds to the promoter region of target genes. Plays a role in the regulation of the cell cycle and of the Wnt pathway. Binds preferentially to the sequence 5'-TTCATTCATTCA-3'. Binding to the H1F0 promoter is enhanced by interaction with RB1. Disrupts the interaction between DNA and TCF4 (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 3' UTR and 3' coding region, compared to variant 1. It encodes isoform 2, which has a shorter C-terminus, compared to isoform 1. CCDS Note: The coding region has been updated to extend the N-terminus to one that is supported by available conservation data. The upstream AUG also has a strong Kozak signal and an upstream in-frame stop codon.