

Product datasheet for **RR204886**

Hbp1 (NM_013221) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hbp1 (NM_013221) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hbp1
Synonyms:	Hmgb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR204886 representing NM_013221
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGACGGTTTGTCCGAGCACCATAATATGGTGTGGGAAGTGAAGACGAACCAGAGGCCTCATGCAG
 TACAGAGACTCCTGCTGGTGATGGACGAGAGAGCTACAGGAGTGAGTGACTCATTGGAGTTGCTGCAGTG
 TAATGAGAATGTGCCGTCTCTCCAGGATACAACCTCTGTGATGAGCACATGGAGCTTGATGACCTTCTCT
 GAACCTCAGGCTGTTCAAAGTGACCCTACCCAATCTGCCATATACCAGCTCAGTTCAGATGTATCTCATC
 AAGAATATCCAAGACCATCTGGAGCCAGAATACCTCAGACATACCGAAAAATACTACCGTGAAGATGA
 GGTGGACTGGCTAACAGAGTTAGCAAATATTGCCACTAGTCCACAAAGTCCACTAATGCAGTGCTCATT
 TATAACAGATCATCTCTGTACACATCATAGCTACTAGCAAAAGTTTACATTCTATGCACGCCACCAC
 CAGTGTCTCTGCAAAGAGCGGACCAGCCTTCCCTCATGACCCTGGAAGGAAGAAACACAGTAAGACA
 TGAAAGGGCAAACAGTGAGTCAGAGTCAGGAATTTTCTGCATGTCTCCCTGTGAGATGATGATCTG
 GGCTGGTGCAATTCCTGGCCATCAACCGTTTGGCATTGCTTTCTCAAAGGCACACGACTGTGCTCCATA
 AGGAAAGCAAAAAGGAGTGGCAAGATGTTGAAGACTTTGCTAGAGCCGCCAGCTGTGATGAGGAGGAGAT
 CCAAAATGGGCACTCACAAGGGCTATGGTCTGATGGTCTAAAAGTTGTTATCCCATGAAGAGAGTGTGTC
 TTCGGTGAGTCTGACTGAAGTTGACATTTGATCCTGGTACAGTAGAAGATGGCTTGCTTACTGTGGAGT
 GCAAGCTGGACCACCTTTCTATGTTAAAAATAAAGGCTGGTCACTATTTTATCCAAGCTTGACTGTGGT
 ACAGCACGGCATTCCATGCTGTGAGATTCATATTGGTGACGTATGTCTACCTCTGGACACCCTGATGCC
 ATTAATTTTCGATGATTCAGGTGTTTTGATACATTTAAAGCTATGACTTCACACCTATGGACTCTCCG
 CAGTCTACGTTTTGAGTAGTATGGCTCGCCAGCGCCGCATCTTTGTCTTGAGGACCTGGTACTGG
 TCAAGAGTTTGCAGGATCTGAATTCAGTAAAAGCTGTGGTTCACCAGGATCATCACAGCTCTCTCTAGT
 TCTTTATACACTAAAGCTGTCAAAGCCACAGCTCAGGGACTGTGAGTGCCACTTCTCTAATAAGTGCA
 AAAGACCAATGAATGCCTTCATGCTTTTTGCCAAAAATACAGAGTTGAATATACTCAGATGTATCCAGG
 GAAAGATAACAGAGCCATAAGTGTGATCCTTGGTGACAGGTGGAAAAAATGAAGAACGAGGAAAGGAGG
 ATGTATACATTAGAAGCAAAGGCTTTGGCTGAAGAACAAAAGCGTTTAAATCCCGACTGTGAAAAAGGA
 AAAGAACCAATTCAGGCTCTCAACAGCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR204886 representing NM_013221
 Red=Cloning site Green=Tags(s)

MATGLSEHHNMVWEVKTNRPHAVQRLLLVMDERATGVSDSLELLQCNENVPSSPGYNSCDEHMLDDLP
 ELQAVQSDPTQSAIYQLSSDVSHQEYPRPSWSQNTSDIPENTHREDEVDWLTLANIATSPQSPLMQCSF
 YNRSSPVHIIATSKSLHSYARPPPVSASGPAFPHDHWKEETPVRHERANSESESGIFCMSSLDSDDDL
 GWCNSWPSTVWHCFKLGTRLCFHKESKKEWQDVEDFARAASCDEEEIQMGTHKGYGSDGLKLLSHEESVS
 FGESVLKLTDFDPTVEDGLLTVCKLDHPFYVKNKGWSSFYPSLTVVQHGIPCEIHIIGDVCLPPGHPDA
 INFDDSGVDFDFKSYDFTPMDSSAVYVLSMARQRRASLSCGGPGTGQEFAGSEFSKSCGSPGSSQLSSS
 SLYTKAVKSHSSGTVSATSPNKCKRPMNAFMLFAKKYRVEYTMYPGKDNRAISVILGDRWKKMKNEERR
 MYTLEAKALAEQKRLNPDCWKRKRTNSGSQGH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_013221

ORF Size: 1569 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_013221.2](#), [NP_037353.2](#)

RefSeq Size: 2671 bp

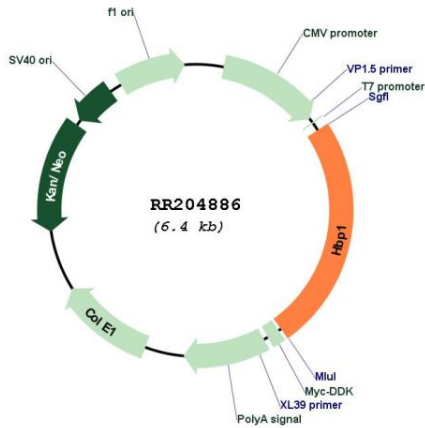
RefSeq ORF: 1572 bp

Locus ID: 27080

UniProt ID: [Q62661](#)

Cytogenetics: 6q16
MW: 58.5 kDa
Gene Summary: a transcriptional regulator that may play a central role in the stabilization and/or assembly of several multifunctional complexes through protein-protein interactions [RGD, Feb 2006]

Product images:



Circular map for RR204886