

## Product datasheet for **MG224494**

### **Hbp1 (NM\_177993) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Hbp1 (NM_177993) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hbp1
Synonyms:	1700058O05Rik; BE629963; C86454; C330012F01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG224494 representing NM\_177993  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGACGGGTTTGTCCGAGCACCATAACATGGTGTGGGAAGTGAAGACAAATCAGATGCCTAATGCAG  
 TACAGAACTCCTGCTGGTGATGGACAAGAGAGACCAGGGATGAGTGACTCGCTGGAGTTGCTGCAGTG  
 TAATGAGAATTTGCCATCCTCTCCAGGATACAACCTCTGTGATGAGCACATGGAGCTTGATGACCTTCT  
 GAACCTCAGGCTGTTCAAAGTGACCCTACCCAATCTGCCATATACCAGCTAAGTTCAGATGTATCTCATC  
 AAGAATATCCAAGATCATCTGGAGCCAGAATACCTCAGATATACCGAAAATACTACCGTGAAGATGA  
 GGTGGACTGGCTAACAGAGTTAGCAAATATTGCCACTAGTCCACAAAGTCCCCTGATGCAGTGCTCATT  
 TATAACAGATCATCTCTGTACACATCATAGCTACTAGCAAAGTTTACATTCTATGCACGCCACCAC  
 CAGTGTCTCTTTCAAAGTGGGCCAGCCTCCCTCATGACCACTGGAAGGAAGAAACACCAGTAAG  
 ACATGAAAGGGCAAACAGTGAGTCAGAGTCAGGCATTTTCTGTATGTCCCTGTCAGATGATGATGAT  
 CTGGGCTGGTGAATTCCTGGCCATCCACCATTTGGCACTGCTTTCTGAAAGGCACGCGGCTGTGCTTCC  
 ATAAGGAAAGCAATAAGGAATGGCAAGATGTGGAAGACTTTGCTAGAGCCGCCAGCTGTGATAATAGGA  
 AGAGATCCAAATGGGCACTCACAAAGGCTATGGGTCTGATGGTCTAAAGTTGTTATCCCAGAGAGAGT  
 GTGTCAATTCGGTGAAGTCTGACTGAAGTTGACATTTGATCCTGGTACAGTAGAAGATGGCTTGCTCACTG  
 TAGAGTGAAGCTGGACCACCTTTCTATGTTAAAAATAAAGGTTGGTCGTCATTTTATCCAAGCTTGAC  
 TGTGGTACAGCATGGCATTCCATGTTGTGAAATTCATATTGGTGAAGTATGTCTACCTCCTGGACACCT  
 GATGCCATTAATTTTCGATGATTCAGGTGTTTTGATACATTTAAAGCTATGACTTACACCTATGGACT  
 TTCTGCGGTCTATGTTTTGAGTAGTATGGCTCGTCAGCGCCGTCATCTCTGTCTGTGGAGGAGGACC  
 TGGTACTGGTCAAGAGTTTTCGGGATCTGAATTCAGTAAAAGCTGTGGTTCACCTGGATCATCACAGCTC  
 TCTTCTAGTTCTTTGATGCTAAAGCTGTCAAAGCCACAGCTCAGGGACTGTGAGTGCCACTTCTCCTA  
 ATAAGTGCAAAGACCAATGAATGCCTTCATGCTTTTGGCAAAAATACAGAGTTGAATATACTCAGAT  
 GTATCCAGGAAAGATAACAGG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG224494 representing NM\_177993  
 Red=Cloning site Green=Tags(s)

MATGLSEHHNMVWEVKTNQMPNAVQKLLLVMKRAPGMSDSLELLQCENLPSPPGYNSCDEHMLDDLP  
 ELQAVQSDPTQSAIYQLSSDVSHQEYPRSSWSQNTSDIPENTHREDEVDWLTELANIATSPQSPLMQCSF  
 YNRSSPVHIIATSKSLHSYARPPPVSSSKSGPAFPHDHWKEETPVRRHERANSESESGIFCMSSLSDDDD  
 LGWCNSWPSTIWHCFKGTGLCFHKESENKEWQDVEDFARAASCDNEEIQMGTHKGYGSDGLKLLSHEES  
 VSFGESVLKLTDFDPTVEDGLLTVCKLDHPFYVKNKGWSSFYPSLTVVQHGIPCCCEIHIGDVCLPPGHP  
 DAINFDDSGVFDTFKSYDFTPMDSAVYVLSMARQRRASLSCGGPGTGQEFSGSEFSKSCGSPGSSQL  
 SSSSLYAKAVKSHSSGTVSATSPNKCRPMNAFMLFAKKYRVEYTMYPGKDNR

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul



**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\\_177993.4](#)

**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]