

Product datasheet for **MG208277**

Hbp1 (BC026853) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hbp1 (BC026853) 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:

>MG208277 representing BC026853
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGTGGGAAGTGAAGACAAATCAGATGCCTAATGCAGTACAGAACTCCTGCTGGTGTGACAAAGA
 GAGCACCAAGGATGAGTACTCGCTGGAGTTGCTGCAGTGAATGAGAATTTGCCATCCTCTCCAGGATA
 CAACTCCTGTGATGAGCATGGAGCTTGTGACCTCCTGAACCTCAGGCTGTTCAAAGTGACCCCTACC
 CAATCTGCCATATACCAGCTAAGTTCAGATGTATCTCATCAAGAAATATCCAAGATCATCTTGAGCCAGA
 ATACCTCAGATATACCGAAAACTCACCGTGAAGATGAGGTGGACTGGCTAACAGAGTTAGCAAATAT
 TGCCACTAGTCCACAAAGTCCCCTGATGCAGTGCCTATTTATAACAGATCATCTCTGTACACATCATA
 GCTACTAGCAAAAGTTTACATTCCTATGCACGCCACCACAGTGCCTCTTCTTCAAAAAGTGGGCCAG
 CCTTCCCTCATGACCACTGGAAGGAAGAAACACAGTAAGACATGAAAGGGCAAACAGTGAGTCAGAGTC
 AGGCATTTTCTGTATGTCTCCCTGTGATGATGATCTGGGCTGGTCAATTCTGGCCATCCACC
 ATTTGGCACTGCTTTCTGAAAGGCACGGCTGTGCTTCCATAAGGAAAGCAATAAGGAATGGCAAGATG
 TGAAGACTTTGCTAGAGCCGCCAGCTGTGATAATGAGGAAGAGATCCAATGGGCACTCACAAGGGCTA
 TGGGTCTGATGGTCTAAAGTTGTTATCCATGAAGAGAGTGTGTCATTCGGTGAGTCTGACTGAAGTTG
 ACATTTGATCCTGGTACAGTAGAAGATGGCTTGTCTACTGTAGAGTGCAAGCTGGACCACCCCTTTCTATG
 TAAAAATAAAGGTTGGTCGTCATTTTATCCAAGCTTGACTGTGGTACAGCATGGCATTCCATGTTGTGA
 AATTCATATTGGTGACGTATGTCTACCTCCTGGACCCCTGATGCCATTAATTTTCGATGATTGAGTGT
 TTTGATACATTTAAAAGCTATGACTTACACCTATGGACTCTTCTGCGGTCTATGTTTTCGAGTAGTGG
 CTCGTCAGCGCCGTCATCTCTGTCTTGTGGAGGACCTGGTACTGGTCAAGAGTTTTTCGGGATCTGA
 ATTCAGTAAAAGCTGTGGTTCACCTGGATCACAGCTCTCTTAGTCTTTGTATGCTAAAAGCTGTC
 AAAAGCCACAGCTCAGGGACTGTGAGTGCCACTTCTCCTAATAAGTGCAAAAAGCAATGAATGCCTTCA
 TGCTTTTTGCCAAAAATACAGAGTTGAATATACTCAGATGTATCCAGGGAAAAGATAACAGAGCCATAAG
 TGTGATCCTTGGTGACAGGTGGAATAAATGAAGAACGAAGAAAGGAGGATGTACACATTAGAAGCAAAG
 GCTTTGGCTGAAGAACAAAAGCGTTTAAATCCTGACTGTTGAAAAGGAAAAGAACCACTCAGGCTCTC
 AACAGCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208277 representing BC026853
 Red=Cloning site Green=Tags(s)

MVWEVKTNQMPNAVQKLLLVMKRAPGMSDSLLELLQCNENLPSSPGYNSCDEHMEDDLPELQAVQSDPT
 QSAIYQLSSDVSHQEYPRSSWSQNTSDIPENTHREDEVDWLTELANIATSPQSPLMQCSFYNRSSPVHII
 ATSKSLHSYARPPPVSSSKSGPAFPHDHWKEETPVRHERANSESESGIFCMSSLSDDDLGCNSWPST
 IWHCFKLGTRLCFHKESNKEWQDVEDFARAASCDNEEEIQMGTHKGYGSDGLKLLSHEESVSFGEVSLKL
 TFDPGTVEDGLLTVCKLDHPFYVKNKGWSSFYPSLTVVQHGIPCCIEIHIGDVCLPPGHPDAINFDDSGV
 FDTFKSYDFTPMDSAVVYVLSMARQRRASLSCGGPGTGQEFSGSEFSKSCGSPGSSQLSSSSLYAKAV
 KSHSSGTVSATSPNKCKRPMNAFMLFAKKYRVEYTMYPGKDNRAISVILGDRWKKMKNEERRMYTLEAK
 ALAEEQKRLNPDCWKRKRTNSGSQQH

TRTRPLE - GFP Tag - V

Restriction Sites:

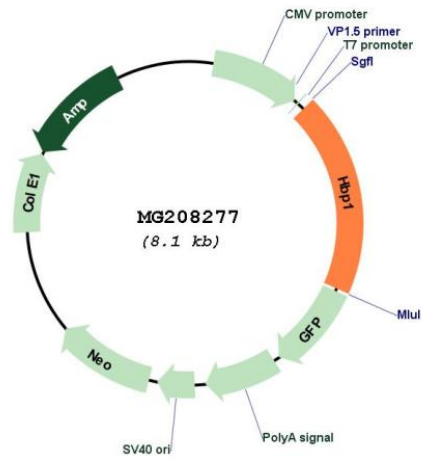
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN:	BC026853
ORF Size:	1550 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:	BC026853 , AAH26853
RefSeq Size:	2642 bp
RefSeq ORF:	1550 bp
Locus ID:	73389
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]