

## Product datasheet for **RC201873**

### HEBP1 (NM\_015987) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HEBP1 (NM\_015987) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** HEBP1  
**Synonyms:** HBP; HEBP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC201873 ORF sequence  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGGGCATGATCAAGAAGCTCGCTGTTCCGGAAGCGTAGAGACGTGGCCTTGGCAGGTCTAAGCAAAG  
GGGACAAGGAAGAAGTTGCCTATGAAGAAAGGGCCTGTGAAGGCGGCAAATTTGCCACAGTAGAAGTGAC  
AGATAAGCCTGTGGATGAGGCTCTACGGGAAGCAATGCCAAGGTCGAAAGTATGCGGGGGCACCAAT  
GACAAGGGAATTGGGATGGGATGACAGTCCCTATTTCTTTGCTGTGTTCCCAATGAAGATGGCTCTC  
TGCAGAAGAAATTAAGTCTGGTTCGGATTCCAACCAATTTCAAAGCGACCCACCAGCTCCCAGTGA  
CAAAGCGTTAAGATTGAGGAACGGGAAGGCATCACTGTCTATTCCATGCAGTTTGGTGGTTATGCCAAG  
GAAGCAGACTACGTAGCACAAGCCACCCGTCTGCGTGCTGCCCTGGAGGGCACAGCCACCTACCGGGGG  
ACATCTACTTCTGCACGGTTATGACCCTCCCATGAAGCCCTACGGACGGCGCAATGAGATCTGGCTGTT  
GAAGACA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC201873 protein sequence  
**Red=Cloning site Green=Tags(s)**

MLGMIKNSLFGSVETWPWQVLSKGDKEEVAYEERACEGGKFATVEVTDKPVDEALREAMPKVAKYAGGTN  
DKGIGMGMTVPI SFAVFPNEDGSLQKLVWFRIPNQFQSDPPAPSDKSVKIEEREGITVYSMQFGGYAK  
EADYVAQATRLRAALEGTATYRGDIYFCTGYDPPMKPYGRRNEIWLLKT

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV



**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6003\\_g03.zip](https://cdn.origene.com/chromatograms/mk6003_g03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_015987

**ORF Size:** 567 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

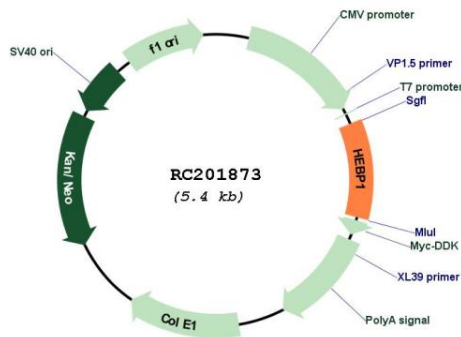
**RefSeq:** [NM\\_015987.5](#)

**RefSeq Size:** 1221 bp

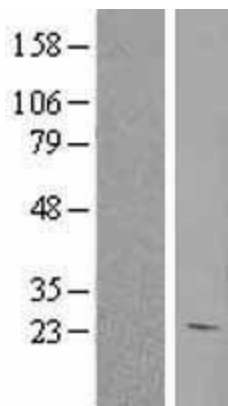
RefSeq ORF: 570 bp  
 Locus ID: 50865  
 UniProt ID: [Q9NRV9](#)  
 Cytogenetics: 12p13.1  
 Domains: SOUL  
 MW: 21.1 kDa

**Gene Summary:** The full-length protein encoded by this gene is an intracellular tetrapyrrole-binding protein. This protein includes a natural chemoattractant peptide of 21 amino acids at the N-terminus, which is a natural ligand for formyl peptide receptor-like receptor 2 (FPRL2) and promotes calcium mobilization and chemotaxis in monocytes and dendritic cells. [provided by RefSeq, Jul 2008]

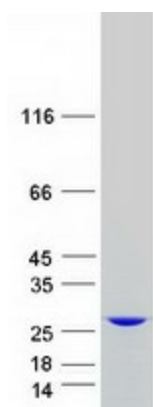
### Product images:



Circular map for RC201873



Western blot validation of overexpression lysate (Cat# [LY402480]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201873 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HEBP1 protein (Cat# [TP301873]). The protein was produced from HEK293T cells transfected with HEBP1 cDNA clone (Cat# RC201873) using MegaTran 2.0 (Cat# [TT210002]).