

# Recombinant human HEBP1 protein

Catalog Number: ATGP1852

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-189aa

### UniProt No.

Q9NRV9

### NCBI Accession No.

NP\_057071

### Alternative Names

Heme binding protein 1, HBP, HEBP

## PRODUCT SPECIFICATION

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### Molecular Weight

23.5 kDa (212aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl,30% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

HEBP1 is an intracellular tetrapyrrole-binding protein. HEBP1 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 (FPR2) and promotes calcium mobilization and chemotaxis in monocytes and dendritic cells. Recombinant human HEBP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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### Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSMLGMIKN SLFGSVETWP WQVLSKGDKE EVAYEERACE GGKFATVEVT  
DKPVDEALRE AMPKVAKYAG GTNDKGIGMG MTPVISFAVF PNEDGSLQKK LKVWFRIPNQ FQSDPPAPSD KSVKIEEREG  
ITVYSMQFGG YAKEADYVAQ ATRLRAALEG TATYRGDIYF CTGYDPPMKP YGRRNEIWLL KT

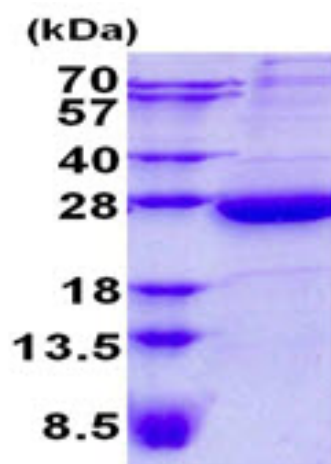
### General References

Devosse,T., et al. (2011) J. Immunol. 187 (3), 1475-1485  
Micaelo,N.M., et al. (2010) J. Mol. Graph. Model. 29 (3), 396-405

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)