

Recombinant human HEBP1 protein

Catalog Number: ATGP1852

PRODUCT INFORMATION

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

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

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 (FRL2) 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

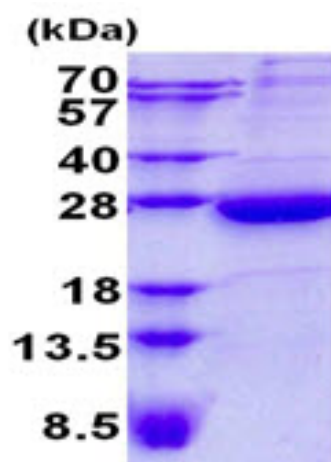
MGSSHHHHHH SSGLVPRGSH MGSMLGMIKN SLFGSVETWP WQVLSKGDKE EVAYEERACE GGKFATVEVT
DKPVDEALRE AMPKVAKYAG GTNDKGIGMG MTVPISFAVF PNEDGSLQKK LKVWFRIPNQ FQSDPPAPSD KSVKIEEREG
ITVYSMQFGG YAKEADYVAQ ATRLRAALEG TATYRGDIYF CTGYDPPMKP YGRRNEIWLL KT

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

SDS-PAGE



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

15% SDS-PAGE (3ug)