Heme-Binding Protein 1 (HEBP1) Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	Heme-binding protein 1 (Hebp1), Recombinant Protein
Full Product Name	Recombinant Mouse Heme-binding protein 1 (Hebp1)
Product Gene Name	Hebp1 recombinant protein
Product Synonym Gene Name	Hebp1
Sequence	MLGMIRNSLF GSVETWPWQV LSTGGKEDVS YEERACEGGK FATVEVTDKP VDEALREAMP KIMKYVGGTN DKGVGMGMTV PVSFALFPNE DGSLQKKLKV WFRIPNQFQG SPPAPSDESV KIEEREGITV YSTQFGGYAK EADYVAHATQ LRTTLEGTPA TYQGDVYYCA GYDPPMKPYG RRNEVWLVKA
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	21,067 Da
Sequence Positions	1-190. Full Length
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q9R257
Species	Mouse
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Hebp1 recombinant protein	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.
Other Notes	Small volumes of Hebp1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Hebp1 purchase	MBS1372966 is a recombinant protein targeting Hebp1. Also known as Recombinant Mouse Heme-binding protein 1 (Hebp1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Hebp1. It may not necessarily be applicable to this product.

NCBI GI #	952977763
NCBI GeneID	15199
NCBI Accession #	NP_038574.3

UniProt Primary Accession #	Q9R257
UniProt Secondary Accession #	O88814
UniProt Related Accession #	Q9R257
GenBank Nucleotide #	NM_013546.3
NCBI Official Full Name	heme-binding protein 1
NCBI Official Synonym Full Names	heme binding protein 1
NCBI Official Symbol	Hebp1
NCBI Official Synonym Symbols	Hebp; p22HBP
UniProt Protein Name	Heme-binding protein 1
UniProt Synonym Protein Names	p22HBP
Protein Family	Heme-binding protein
UniProt Gene Name	Hebp1
UniProt Synonym Gene Names	Hbp
NCBI Protein Information	heme-binding protein 1
UniProt Comments for Hebp1	May bind free porphyrinogens that may be present in the cell and thus facilitate removal of these potentially toxic compound. Binds with a high affinity to one molecule of heme or porphyrins. It binds metalloporphyrins, free porphyrins and N-methylprotoporphyrin with similar affinities.
Research Articles on Hebp1	**1.** Results present a systematic molecular modeling study of the binding properties of murine and human p22HBP protein (heme-binding protein) with four tetrapyrrole ring systems belonging to the heme biosynthetic pathway.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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