Hemopexin (HPX) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Hemopexin (HPX), Recombinant Protein
Full Product Name	Recombinant Bovine Hemopexin (HPX)
Product Gene Name	HPX recombinant protein
Product Synonym Gene Name	HPX
Sequence	HPLARAPELG HGVEGGNVAK PDPEVTERCS DGWGFDATTL DEHGNMLFLK GEFVWKGHAW ARQLISERWK DAPSPVDAAF RYDRNSVLLI KGDKFWVYPP EKGEEYPKLL QEKFPGIPFP LDAAVECHRG ECSHEGVFFF QGNHTWFWDF STKTIKKRSW PAVGNCSSAI RWLNRYYCFR GNKFLRFDPV TGEVNSTYPR DVRDYFMSCP NRGHAHRNAT QHMDKRCSPH LVLSALLSDN HSATYAFSEN HYWRLDSSRD GWHSWRIEHL WPQGPSTVDA AFLWDKKLYL IQGTQVYIFL TRAGYTLVKD YPKQLEKEFG SPDGVCLHSV DAAFTCPGSS QLYIMAGQKL WRLDLNLGAQ ATWTELPWLH TKVDGALCTE KSLGPHSCSA NGLGLYLVQG PNLYCYKDVE ELSKTKDLPQ AQRMNSLLGC APHQHS
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	52,209 Da
Sequence Positions	24-459, full length protein
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 Q3SZV7
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for HPX recombinant protein	This gene encodes a plasma glycoprotein that binds heme with high affinity. The encoded protein is an acute phase protein that transports heme from the plasma to the liver and may be involved in protecting cells from oxidative stress.
Other Notes	Small volumes of HPX 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 HPX purchase	MBS1387931 is a recombinant protein targeting HPX. Also known as Recombinant Bovine Hemopexin (HPX). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

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

NCBI GI #	77736171

NCBI GeneID	534509
NCBI Accession #	NP_001029784.1
UniProt Primary Accession #	Q3SZV7
UniProt Related Accession #	Q3SZV7
GenBank Nucleotide #	NM_001034612.2
NCBI Official Full Name	hemopexin
NCBI Official Synonym Full Names	hemopexin
NCBI Official Symbol	HPX
UniProt Protein Name	Hemopexin
Protein Family	Hemopexin
UniProt Gene Name	HPX
NCBI Protein Information	hemopexin
UniProt Comments for HPX	Binds heme and transports it to the liver for breakdown and iron recovery, after which the free hemopexin returns to the circulation.
Research Articles on HPX	**1.** two glycoproteins, AHSG and HPX, represent a pivotal glycoprotein of the cytoprotective activity for WN1316, showing a concrete evidence for the novel glycan-independent function of serum glycoproteins in neuroprotective drug efficacy.
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