

Recombinant Human hemopexin, His-tagged

Cat. No. HPX-464H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HPX, 24-462aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	24-462 a.a.
Description	Hemopexin precursor, also known as HPX, is a serum glycoprotein that binds heme and transports it to the liver for breakdown and iron recovery, after which the free hemopexin returns to the circulation. It is expressed by the liver and is secreted in plasma. Hemopexin may play a role in the maintenance of metal ion homeostasis. HPX can also act as a toxic protease that leads to proteinuria and glomerular alterations, which are characteristics of minimal changes disease (MCD), a common cause of nephrotic syndrome. Recombinant human HPX protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
Molecular Mass	51.7 kDa (462aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSTPLPPTS AHGNVAEGET KPDPDVTERC SDGWSFDATT LDDNGTMLFF KGEFVWKSHK WDRELISERW KNFPSPVDAA FRQGHNSVFL IKGDKVWVYP PEKKEKGYPK LLQDEFPGIP SPLDAAVECH RGECQAEGVL FFQGDREWFV DLATGTMKER SWPAVGNCSS ALRWLGRIYC

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FQGNQFLRFD PVRGEVPPRY PRDVRDYFMP CPGRGHGHRN GTGHGNSTHH
 GPEYMRCSPH LVLSALTSDN HGATYAFSGT HYWRLDTSRD GWHSWPIAHQ
 WPQGPSAVDA AFSWEEKLYL VQGTQVYVFL TKGGYTLVSG YPKRLEKEVG
 TPHGIILDSV DAAFICPGSS RLHIMAGRRL WWLDLKSGAQ ATWTLPWPH
 EKVDGALCME KSLGPNSCSA NGPGLYLIHG PNLYCYSDVE KLNAAKALPQ
 PQNVTSLGCG TH

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name HPX hemopexin [Homo sapiens]

Official Symbol HPX

Synonyms HPX; hemopexin; beta-1B-glycoprotein; HX; FLJ56652;

Gene ID 3263

mRNA Refseq NM_000613

Protein Refseq NP_000604

MIM 142290

UniProt ID P02790

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Chromosome Location	11p15.5-p15.4
Function	binding; heme transporter activity; metal ion binding; protein binding;