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 FFQGDREWFW DLATGTMKER SWPAVGNCSS ALRWLGRYYC

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

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