

HPX, 24-462aa Human, His tag, E.coli**Cat.NO.: TP02499**

3th Edition

Synonyms:Hemopexin precursor, HX

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 Weight:51.7 kDa (462aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSTPLPPTSAHGNVAEGETKPDVDTERCSDGWSFDATTLDDNGTMLFFKGE
FVWKSHKWDRELISERWKNFSPVDAAFRQGHNSVFLIKGDKVWVYPPEKKEKGYPKLLQDEFPGIPSPLDAAVE
CHRGECQAEGVLFFQGDREWFWDLATGTMKERSWPAVGNCSSALRWLGRIYCFQGNQFLRFDPVRGEVPPRY
PRDVRDYFMPCPGRGHGHRNGTGHGNSTHHGPEYMRCSPLVLSALTSNHDGATYAFSGTHYWRDLTSRDGW
HSWPIAHQWPQGSAVDAAFSWEEKLYLVQGTQVYVFLTKGGYTLVSGYPKRLEKEVGTPHGIILDSVDAAFIKPG
SSRLHIMAGRRLWWLDLKSGAQATWTELPWPHEKVDGALCMEKSLGPNSCSANGPGLYLIHGPNLYCYSDVEKL
NAAKALPQPQNVTSLLGCTH

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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