

Recombinant human Hemopexin protein

Catalog Number: ATGP3780

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

24-462aa

UniProt No.

P02790

NCBI Accession No.

NP_000604

Alternative Names

Hemopexin, HPX, HX

PRODUCT SPECIFICATION

Molecular Weight

50.4 kDa (448aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

HPX, also known as hemopexin, is a plasma glycoprotein that belongs to the family of the acute-phase proteins whose synthesis is induced after an inflammatory event. This protein associates with HDL and influence the inflammatory properties of HDL. In addition it can also be said that HDL from HX-null mice is pro-inflammatory. Also, this protein binds heme and transports it to the liver for breakdown and iron recovery, after which the free

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hemopexin returns to the circulation and is expressed in the central nervous system, in the retina, and in peripheral nerves has also been observed. Recombinant human HPX, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

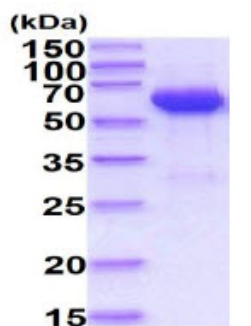
ADPTPLPPTS AHGNVAEGET KPDPDVTERC SDGWSFDATT LDDNGTMLFF KGEFVWKSHK WDRELISERW KNFPSPVDAA
FRQGHNSVFL IKGDKVWVYP PEKKEKGYPK LLQDEFPGIP SPLDAAVECH RGECQAEGVL FFQGDREWFV DLATGTMKER
SWPAVGNCSA ALRWLGRYC FQGNQFLRFD PVRGEVPPRY PRDVRDYFMP CPGRGHGHRN GTGHGNSTHH
GPEYMRCSPH LVLSALTSDN HGATYAFSGT HYWRLDTSRD GWHSWPIAHQ WPQGSAVDA AFSWEEKLYL
VQGTQVYVFL TKGGYTLVSG YPKRLEKEVG TPHGIILDSV DAAFICPGSS RLHIMAGRRL WWLDLKSGAQ ATWTELPWPH
EKVDGALCME KSLGPNSCSA NGPGLYLIHG PNLICYSDVE KLNAAKALPQ PQNVTSLLGC THHHHHHH

General References

Takahashi N., et al, (1985) Proc. Natl. Acad. Sci. U.S.A. 82:73-77.
Mauk MR., et al, (2007) Nat Prod Rep. 24:523-532.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.