

Recombinant human HPR protein

Catalog Number: ATGP2581

PRODUCT INFORMATION

Expression system

E.coli

Domain

20-348aa

UniProt No.

P00739

NCBI Accession No.

NP_066275

Alternative Names

Haptoglobin-related protein, A-259H10.2, HP

PRODUCT SPECIFICATION

Molecular Weight

39.3 kDa (352aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH8.5) containing 20% glycerol, 1mM DTT, 0.15M NaCl

Purity

> 85% by SDS-PAGE

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

HPR, also known as Haptoglobin-related protein, is a primate-specific plasma protein associated with apolipoprotein L-I (apoL-I) -containing high-density lipoprotein (HDL) particles shown to be a part of the innate immune defense. HPR-bound hemoglobin might contribute to the biologic activity of the circulating apoL-I/Hpr-containing HDL particles. Recombinant human HPR protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>LYSGNDV TDISDDRFPK PPEIANGYVE HLFYQCKNY YRLRTEGDGV
YTLNDKKQWI NKA VGDKLPE CEAVCGKPKN PANPVQRILG GHLDAGSFP WQAKMVSHHN LTTGATLINE QWLLTTAKNL
FLNHSENATA KDIAPTLTLY VGKKQLVEIE KVVLPNYHQ VDIGLIKQ KVLVNERVMP ICLPSKNYAE VGRVGYVSGW
GQSDNFKLTD HLKYVMLPVA DQYDCITHYE GSTCPKWKAP KSPVGVQPIL NEHTFCVGMS KYQEDTCYGD AGSAFAVHDL
EEDTWYAAAGI LSFDKSCAVA EYGVYVKVTS IQHWVQKTIA EN

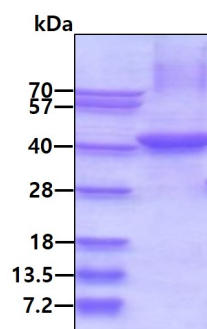
General References

Nielsen MJ. et al. (2008) Blood. 108:2846-2849.

Imrie HJ. et al. (2012) PLoS One. 7:e49816

DATA

SDS-PAGE



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