

AR51401PU-S**Human HPR (20-348, His-tag) - Purified****Alternate names:**

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

Quantity:

50 µg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[P00739](#)**NCBI:**[NP_066275](#)**GeneID:**[3250](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >85% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol 1mM DTT, 0.15M NaCl**Description:**

Recombinant human HPR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SGLVPRGSH MGLYSGNDV TDISDRFPK PPEIANGYVE HLFYQCKNY
YRLRTEGDGV YTLNDKKQWI NKAVGDKLPE CEAVCGKPKN PANPVQRILG GHLDKGSFP
WQAKMVSHHN LTTGATLINE QWLLTTAKNL FLNHSENATA KDIAPTLTLY VGKKQLVEIE
KVVLHPNYHQ VDIGLIKLKQ KVLVNERVMP ICLPSKNYAE VGRVGVVSGW GQSDNFKLTD
HLKYVMLPVA DQYDCITHYE GSTCPKWKAP KSPVGVQPIL NEHTFCVGM S KYQEDTCYGD
AGSAFAVHDL EEDTWYAAGI LSFDKSCAVA EYGVYVKVTS IQHWVQKTIA EN

Molecular weight: 39.3 kDa (352aa) confirmed by MALDI-TOF**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

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

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

Pictures:

