

Recombinant Human HPR, His-tagged

Cat. No. HPR-5085H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HPR protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol 1mM DTT,0.15M NaCl
Molecular Mass	39.3 kDa(352aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSLYSGNDV TDISDDRFPK PPEIANGYVE HLFRYQCKNY YRLRTEGDGV YTLNDKKQWI NKA VGDKLPE CEAVCGKPKN PANPVQRILG GHLDAGKSGP WQAKMVSHHN LTTGATLINE QWLLTTAKNL FLNHSENATA KDIAPTLTLY VGKKQLVEIE KVVLPNYHQ VDIGLIKLKQ KVLVNERVMP ICLPSKNYAE VGRVGYVSGW GQSDNFKLTD HLKYVMLPVA DQYDCITHYE GSTCPKWKAP KSPVGVQPIL NEHTFCVGMS KYQEDTCYGD AGSAFAVHDL EEDTWYAAGI LSFDKSCAVA EYGVYVKVTS IQHWVQKTIA EN

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Purity	>85% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	HPR haptoglobin-related protein [Homo sapiens (human)]
Official Symbol	HPR
Synonyms	HPR;HP; A-259H10.2;haptoglobin-related protein;Haptoglobin-related locus
Gene ID	3250
mRNA Refseq	NM_020995.3
Protein Refseq	NP_066275.3
MIM	140210
UniProt ID	P00739
Chromosome Location	16q22.1
Pathway	African trypanosomiasis;Binding and Uptake of Ligands by Scavenger

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Receptors;Scavenging of Heme from Plasma

Function

catalytic activity;hemoglobin binding

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