

Recombinant Full Length Human HPR Protein, C-Flag-tagged

Cat. No. HPR-509HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HPR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a haptoglobin-related protein that binds hemoglobin as efficiently as haptoglobin. Unlike haptoglobin, plasma concentration of this protein is unaffected in patients with sickle cell anemia and extensive intravascular hemolysis, suggesting a difference in binding between haptoglobin-hemoglobin and haptoglobin-related protein-hemoglobin complexes to CD163, the hemoglobin scavenger receptor. This protein may also be a clinically important predictor of recurrence of breast cancer.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	38.8 kDa
AA Sequence	MSDLGAVISLLLWGRQLFALYSGNDVTDISDDRFPKPPEIANGYVEHLFRYQCKNYY RLRTEGDGVYTLN DKKQWINKAVGDKLPECEAVCGKPKNPANPVQRILGGHLDK GSFPWQAKMVSHHNLTTGATLINEQWLL TTAKNLFLNHSENATAKDIAPTLTLYVGK KQLVEIEKVVLPNYHQVDIGLIKLKQKVLVNERVMPICLP SKNYAEVGRVGYVSGW GQSDNFKLTDHLKYVMLPVADQYDCITHYEGSTCPKWKAPKSPVGVQPILNEHT FC VGMSKYQEDTCYGDAGSAFAVHDLEEDTWYAAGILSFDKSCAVAEYGVYVKVTSIQ HWVQKTIAENTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protease, Secreted Protein
Full Length	Full L.

GENE INFORMATION

Gene Name	HPR haptoglobin-related protein [Homo sapiens (human)]
Official Symbol	HPR
Synonyms	HP; A-259H10.2
Gene ID	3250
mRNA Refseq	NM_020995.4
Protein Refseq	NP_066275.3
MIM	140210

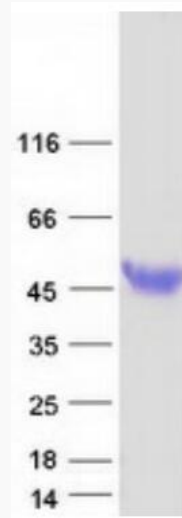
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UniProt ID

P00739



Coomassie blue staining of purified HPR protein.

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