

## Native Human Haptoglobin

Cat. No. HP-4387H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human HP produced from pooled human plasma corresponding to the Mw of isotypes of HP at 86kD and 200kD.
<b>Species</b>	Human
<b>Source</b>	Human Plasma
<b>Description</b>	<p>HP is a glycoprotein which is synthesized in the liver and circulates in the blood. HP is produced typically by hepatocytes but also by other tissues: e.g. skin, lung, and kidney. It is a positive acute phase protein that binds free hemoglobin and removes it from the circulation to prevent kidney injury, and iron loss following hemolysis. The HP-hemoglobin complex is subsequently removed by the reticuloendothelial system (generally the spleen). As the reticuloendothelial system removes the HP-hemoglobin complex from the body, HP levels are reduced in hemolytic anaemias. In the course of binding hemoglobin, HP sequesters the iron inside hemoglobin, preventing iron-utilizing bacteria from benefitting from hemolysis.</p>
<b>Form</b>	Lyophilized from 0.02M NH <sub>4</sub> HCO <sub>3</sub> . May contain traces of buffer salts.
<b>Purity</b>	Greater than 96.0%.
<b>Storage</b>	Human HP although stable at room temperature for 3 weeks, should be stored between 2-8°C.

### GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Gene Name</b>	HP haptoglobin [ Homo sapiens ]
<b>Official Symbol</b>	HP
<b>Synonyms</b>	HP; haptoglobin; zonulin; binding peptide; haptoglobin alpha(1S)-beta; haptoglobin alpha(2FS)-beta; haptoglobin, beta polypeptide; haptoglobin, alpha polypeptide; BP; HPA1S; HP2ALPHA2; MGC111141;
<b>Gene ID</b>	3240
<b>mRNA Refseq</b>	NM_001126102
<b>Protein Refseq</b>	NP_001119574
<b>MIM</b>	140100
<b>UniProt ID</b>	P00738
<b>Chromosome Location</b>	16q22.2
<b>Pathway</b>	amb2 Integrin signaling, organism-specific biosystem;
<b>Function</b>	catalytic activity; hemoglobin binding; serine-type endopeptidase activity;

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA