

Native Human Serum Haptoglobin

Cat. No. HP-8153H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Serum Haptoglobin was purified from Human Serum.
Species	Human
Source	Human Serum
Description	Haptoglobin is a protein in the blood plasma that binds free hemoglobin released from erythrocytes with high affinity and thereby inhibits its oxidative activity. The haptoglobin-hemoglobin complex will then be removed by the reticuloendothelial system (mostly the spleen). Haptoglobin is a serum protein that consists of two alpha and two beta chains connected by disulfide bridges. Human haptoglobin acts as a hemoglobin scavenger and has been associated with protease inhibitory activity. Human Haptoglobin is a positive acute phase reactant, the levels of which increase significantly in human(s) in response to inflammation, tissue injury or disease.
Form	Lyophilized
Purity	>98% by SDS-PAGE
Stability	2 years
Storage	2-8 °C

GENE INFORMATION

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

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