
Product Data Sheet

Product Name: Haptoglobin Human, Sf9

Cat. No.: GP23615

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9,Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Haptoglobin isoform 2; HP; BP; HP2ALPHA2; HPA1S.		
Amino Acid Sequence	ADLVDSGNDV TDIADDGCPK PPEIAHGYVE HSVRYQCKNY YKLRTEGDGV YTLNNEKQWI NKA VGDKLPE CEAVCGKPKN PANPVQRILG GHLDAGKGSFP WQAKMVSHHN LTTGATLINE QWLLTTAKNL FLNHSENATA KDIAPTLTLY VGKKQLVEIE KVVLPNYSQ VDIGLIKLKQ KVSVNERVMP ICLPSKDYAE VGRVGYVSGW GRNANFKFTD HLKYVMLPVA DQDQCIRHYE GSTVPEKKTTP KSPVGVQPIL NEHTFCAGMS KYQEDTCYGD AGSAFAVHDL EEDTWYATGI LSFDKSCAVA EYGVYVKVTS IQDWWQKTIA ENHHHHHH.		
Formulation	Haptoglobin protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) & 10% glycerol.		

Introduction

Haptoglobin or HP is encoded by the HP gene in humans. Haptoglobin binds free hemoglobin (which is released from erythrocytes) in the blood plasma, therefore inhibits the Hb oxidative activity. The complex that contains Haptoglobin and hemoglobin will then be eliminated mostly through the spleen.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Haptoglobin produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (19-347 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 338 amino acids and having a molecular mass of 37.7kDa. Haptoglobin shows multiple bands

Caution: Product has not been fully validated for medical applications. For research use only.

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between 40-57kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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