9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

Haptoglobin (19-347) Human

Haptoglobin (19-347 a.a) Human Recombinant
RCP0991

Product Overview

Name	Haptoglobin (19-347) Human
Description	
Haptoglobin (19-347 a.a) Human Recombinant	
Accession (Primary)	P00738
Synonyms	
Haptoglobin, Zonulin, Haptoglobin alpha chain, Haptoglobin beta chain, Haptoglobin isoform 2 preproprotein, BP, HP2ALPHA2, HPA1S.	
Introduction	
Haptoglogin participates in intestinal permeability, permitting intercellular tight junction disassembly, and controlling the equilibrium among tolerance and immunity to non-self antigens. Haptoglobin has antibacterial activity and takes part in modulating many aspects of the acute phase response. Haptoglobin is processed to yield both alpha and beta chains, which later unite as a tetramer to produce haptoglobin. Haptoglobin binds free hemoglobin (Hb) secreted from erythrocytes In blood plasma with high affinity and thus inhibits its oxidative activity. Further, the haptoglobin-hemoglobin complex is being removed by the reticuloendothelial system.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The Haptoglobin solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.	
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.	
Purity	
Greater than 80.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS VDSGNDV TDIADDGCPK PPEIAHGYVE HSVRYQCKNY YKLRTEGDGV YTLNNEKQWI NKAVGDKLPE CEAVCGKPKN PANPVQRILG GHLDAKGSFP WQAKMVSHHN LTTGATLINE	

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QWLLTTAKNL FLNHSENATA KDIAPTLTLY VGKKQLVEIE KVVLHPNYSQ VDIGLIKLKQ KVSVNERVMP ICLPSKDYAE VGRVGYVSGW GRNANFKFTD HLKYVMLPVA DQDQCIRHYE GSTVPEKKTP KSPVGVQPIL NEHTFCAGMS KYQEDTCYGD AGSAFAVHDL EEDTWYATGI LSFDKSCAVA EYGVYVKVTS IQDWVQKTIA EN.

Precautions

Haptoglobin (19-347) Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P00738)