

Product datasheet

Recombinant Human Haptoglobin protein - BSA and Azide free (denatured) ab177623

1 Image

Description

Product name	Recombinant Human Haptoglobin protein - BSA and Azide free (denatured)		
Purity	> 80 % SDS-PAGE.		
Expression system	Escherichia coli		
Accession	<u>P00738-2</u>		
Protein length	Protein fragment		
Animal free	No		
Carrier free	Yes		
Nature	Recombinant		
Species	Human		
Sequence	MGSSHHHHHH SSGLVPRGSH MGSVDSGNDV TDIADDGCPK PPEIAHGVE HSVRYQCKNY YKLRTEGDGV YTLNNEKQWI NKAVGDKLPE CEAVCGKPKN PANPVQRILG GHLDAGSFP WQAKMVSHHN LTTGATLINE QWLLTTAKNL FLNHSENATA KDIAPTLTLY VGKKQLVEIE KVV LHPNYSQ VDIGLIK LKQ KVS VNERVMP ICLPSKDYAE VGRVGVVSGW GRNANFKFTD HLKYVMLPVA DQDQCIRHYE GSTVPEK KTP KSPVGVQPIL NEHTFCAGMS KYQEDTCYGD AGSAFAVHDL EEDTWYATGILSFDKSCAVA EYGVYVKVTS IQDWVQKTIA EN		
Predicted molecular weight	45 kDa including tags		
Amino acids	19 to 347		
Tags	His tag N-Terminus		
Additional sequence information	NCBI Accession No.: NP_001119574		
Description	Recombinant Human Haptoglobin protein (BSA and azide free)		

Specifications

Our **Abpromise guarantee** covers the use of **ab177623** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.32% Tris HCl, 2.4% Urea, 10% Glycerol (glycerin, glycerine)

General Info

Function As a result of hemolysis, hemoglobin is found to accumulate in the kidney and is secreted in the urine. Haptoglobin captures, and combines with free plasma hemoglobin to allow hepatic recycling of heme iron and to prevent kidney damage. Haptoglobin also acts as an Antimicrobial; Antioxidant, has antibacterial activity and plays a role in modulating many aspects of the acute phase response. Hemoglobin/haptoglobin complexes are rapidly cleared by the macrophage CD163 scavenger receptor expressed on the surface of liver Kupfer cells through an endocytic lysosomal degradation pathway.

Uncleaved haptoglobin, also known as zonulin, plays a role in intestinal permeability, allowing intercellular tight junction disassembly, and controlling the equilibrium between tolerance and immunity to non-self antigens.

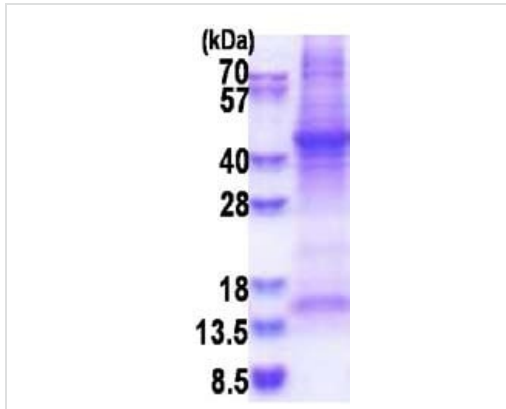
Tissue specificity Expressed by the liver and secreted in plasma.

Involvement in disease Anhaptoglobinemia

Sequence similarities Belongs to the peptidase S1 family.
Contains 1 peptidase S1 domain.
Contains 2 Sushi (CCP/SCR) domains.

Cellular localization Secreted.

Images



15% SDS-PAGE analysis of ab177623 (3ug)

SDS-PAGE - Recombinant Human Haptoglobin
protein (BSA and azide free) (denatured) (ab177623)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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