

Datasheet for ABIN7318556

Haptoglobin Protein (HP) (AA 19-160, AA 162-406) (His tag)[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	Haptoglobin (HP)
Protein Characteristics:	AA 162-406, AA 19-160
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Haptoglobin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Haptoglobin/Zonulin Protein (aa 19-160&aa 162-406, His Tag)
Sequence:	Val19-Gln160&Ile162-Asn406
Characteristics:	Recombinant Human Haptoglobin/Zonulin is produced by our Mammalian expression system and the target gene encoding Val19-Gln160(alpha chain)&Ile162-Asn406(beta chain) is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	Haptoglobin (HP)
Alternative Name:	Haptoglobin/Zonulin (HP Products)

Target Details

Background:	<p>Background: Haptoglobin(HP) is a secreted protein which is a member of the peptidase S1 family of serine proteases. 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.</p> <p>Synonym: Haptoglobin,Zonulin,HP</p>
Molecular Weight:	15.9&28.3
UniProt:	P00738
Pathways:	Transition Metal Ion Homeostasis

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, 1 mM DTT, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>