

Haptoglobin/Zonulin Recombinant Protein | HP recombinant protein

Recombinant Human Haptoglobin/Zonulin Protein(C-6His)

CATALOG #
AAA174017

HOST
Human Cells

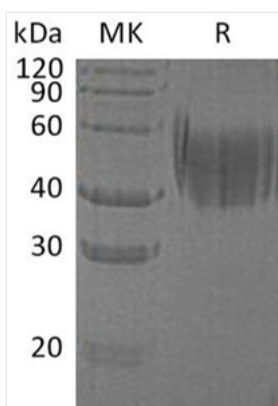
PRODUCT SYNONYMS

Haptoglobin/Zonulin; Recombinant Human Haptoglobin/Zonulin Protein(C-6His); Haptoglobin; Zonulin; HP; HP recombinant protein

PRODUCT SPECIFICATIONS

Host	Human Cells
Purity/Purification	> 95 % as determined by reducing SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
Sequence	Val19-Gln1 60&Ile162- Asn406
Species	Human
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water(200ul) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Tag	C-6His
Endotoxin	< 1.0 EU per ug as determined by the LAL method.
Preparation and Storage	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months. Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HP recombinant protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	47522826
NCBI GeneID	397061
NCBI Accession #	NP_999165.1
NCBI GenBank Nucleotide #	NM_214000.2
UniProt Accession #	P00738; Q8SPS7
Molecular Weight	Mol_Mass: 15.9 & 28.3 kDa AP_Mol_Mass: 16 & 40-75 kDa
NCBI Official Full Name	haptoglobin
NCBI Official Symbol	HP
NCBI Protein Information	haptoglobin
UniProt Protein Name	Haptoglobin
UniProt Gene Name	HP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hp-recombinant-protein-human-cells/174017>