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## Product Datasheet

### Recombinant Human Haptoglobin (C-6His) EBT-EPT067

Artikelname	Recombinant Human Haptoglobin (C-6His)
Artikelnummer	EBT-EPT067
Hersteller Artikelnummer	EPT067
Alternativnummer	EBT-EPT067-1
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	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....
Molekulargewicht	Molecular weight: 15.9&28.3 KDa. Apparent molecular weight: 16&40-75 KDa, reducing conditions
UniProt	<a href="#">P00738</a>
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. 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