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Product Datasheet

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

Article Name	Recombinant Human Haptoglobin (C-6His)
Biozol Catalog Number	EBT-EPT067
Supplier Catalog Number	EPT067
Alternative Catalog Number	EBT-EPT067-1
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	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....
Molecular Weight	Molecular weight: 15.9&28.3 KDa. Apparent molecular weight: 16&40-75 KDa, reducing conditions
UniProt	P00738
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	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 rapidely cleared by the macrophage CD163 scavenger receptor expressed on the surface of liver Kupfer cells through an endocytic lysosomal degradation pathway. Uncleaved haptoglogin, 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