

## 32-8355: Recombinant Human Haptoglobin/Zonulin (N-6His)

**Gene :** HP  
**Gene ID :** 3240  
**Uniprot ID :** P00738

### Description

Source: E. coli.  
MW :31.4kD.

Recombinant Human Haptoglobin/Zonulin is produced by our E.coli expression system and the target gene encoding Cys145-Asn406 is expressed with a 6His tag at the N-terminus. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,1mM DTT,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGSSHHHHHHSSGLVPRGSHMCEAVCGKPKNPANPVQRILGGHLDKGSFPWQAKMVSHHNLTTGATLINE  
QWLLTTAKNLFNLHSENAKDIAPTLTYVGKKQLVEIEKVVLPNYSQVDIGLIKQKQSVNERVMPICLPK  
DYAEVGRVGYVSGWGRNANFKFTDHLKYVMLPVADQDQCIRHYEGSTVPEKKTSPVGVQPILNEHTFCAG  
MSKYQEDTCYGDAGSAFAVHDLEEDTWYATGILSFDKSCAFAEYGVYVKVTSIQDWWVQKTIEN

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.