

## Recombinant Bovine Haptoglobin (HP), C-His

Cat. No.: AP1C252

Product Type: Animal Proteins

Size: 100 µg; 500 µg

### Product Overview

BioVenic's Recombinant Bovine Haptoglobin (HP), C-His is a recombinant protein expressed from *E.coli*. Its predicted molecular weight is 44.1 kDa. The purity is >90% (SDS-PAGE).

### Specifications

Type Recombinant Protein

Species Bovine

Expression System *E.coli*

Purity >90% (SDS-PAGE)

Predicted Molecular Weight 44.1 kDa

Physical State Lyophilized

Formulation PBS (pH7.4).

### Target Information

Bovine haptoglobin (HP) is a major acute phase protein in cattle, which significantly increases in concentration during innate immune responses to infection, inflammation, and trauma. It plays a crucial role in binding free hemoglobin, preventing oxidative tissue damage, and conserving iron. This protein is synthesized in the liver and is a valuable biomarker for various diseases in cattle.

Protein Bovine Haptoglobin (HP)

Protein Synonym haptoglobin; Bp; Haptoglobin alpha chain; Haptoglobin alpha(1S) beta; Haptoglobin alpha(2FS) beta; Haptoglobin beta chain; Haptoglobin; alpha polypeptide; Haptoglobin; beta polypeptide; HP; Hp2 alpha; HP2 ALPHA2; HPA1S; HPT; MGC111141; HPT\_HUMAN; HPT\_BOVIN.

Gene ID [280692](#)

UniProt ID [Q2TBU0](#)

### Shipping and Storage

This product is shipped with dry ice. It is recommended to aliquote as needed and store at  $-80^{\circ}\text{C}$  upon receipt. Reconstituted protein solution can be stored at  $4^{\circ}\text{C}$  for 1 week, at  $< -80^{\circ}\text{C}$  for 12 months.

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## User Note

Always centrifuge tubes before opening. Avoid mixing by vortexing or pipetting. Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Aliquote the reconstituted solution to minimise freeze-thaw cycles.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.