

# Human Hemopexin (His Tag) recombinant protein



Catalog Number: 501405

## General Information

### Gene Name Synonym

Beta-1B-glycoprotein

### Protein Construction

A DNA sequence encoding the human HPX (NP\_000604.1) (Met 1-His 462) with a C-terminal polyhistidine tag was expressed.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind protoporphyrin IX (PPPIX). Recombinant human Hemopexin binds > 10  $\mu$ M PPIX, resulting in a 50% decrease in the fluorescence signal of human Hemopexin.

### Purity

> 96 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Thr 24

## Molecular Mass

The secreted recombinant human HPX comprises 450 amino acids with a predicted molecular mass of 50.7 kDa. As a result of glycosylation, rhHPX migrates as an approximately 70-75 kDa band in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile PBS, pH 7.4  
1. 5 % trehalose and mannitol are added as protectants before lyophilization.  
2. Please contact us for any concerns or special requirements.

## Usage Guide

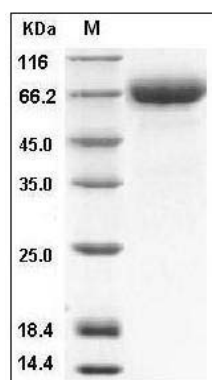
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Hemopexin / HPX Protein (His Tag) SDS-PAGE