

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 μ 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 μ 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

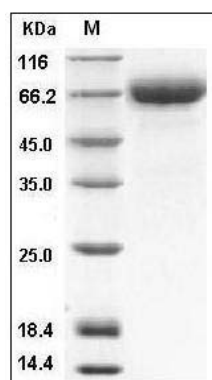
Storage

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