

Hemopexin from Human Plasma

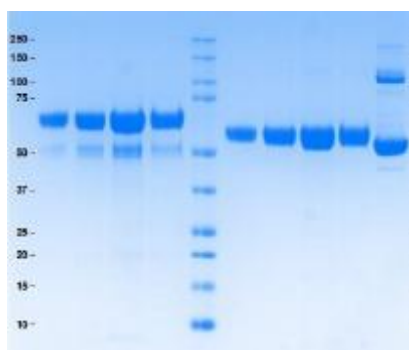
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Storage temperature: -20°C.

Introduction

Hemopexin is a single-chain protein belonging to the family of blood transport proteins. It binds to heme released into the bloodstream during the degradation process. Recent studies have demonstrated that hemopexin acts as an extracellular antioxidant against hemoglobin-mediated damage in inflammation. Hemopexin protects against heme toxicity and conserves and recycles iron. Abnormal levels of hemopexin are associated with hemolytic anemia, chronic neuromuscular disease, and acute intermittent porphyria.

Prepared from plasma shown to be non reactive for HBsAg, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA-required tests.



SDS-PAGE: 4-12% Bis-Tris gel

1. Hemopexin 5 µg (Heated/Reduced)
2. Hemopexin 10 µg (Heated/Reduced)
3. Hemopexin 20 µg (Heated/Reduced)
4. Hemopexin Control 10 µg (Heated/Reduced)
5. Standard
6. Hemopexin 5 µg (Not Heated/Non-Reduced)
7. Hemopexin 10 µg (Not Heated/Non-Reduced)
8. Hemopexin 20 µg (Not Heated/Non-Reduced)
9. Hemopexin Control 10 µg (Not Heated/Non-Reduced)
10. Albumin Control 10 µg

Protein Determination:

Extinction Coefficient (E) = 1.97 (0.1% at 280 nm, 1 cm pathway)

Molecular Weight: 57,000 Da

Physical Specifications:

Form: Lyophilized

Purity: ≥ 95% by SDS-PAGE.



Considerations:

Storage Conditions: $\leq -20\text{ }^{\circ}\text{C}$

Stability: > 1 year

Buffer:

Lyophilized from 11.9 mM sodium phosphate, 137 mM NaCl, 2.7 mM KCl, pH 7.4.

