

For Research Use Only

Recombinant Human Hemopexin/HPX protein (rFc Tag)



Catalog Number: Eg3082

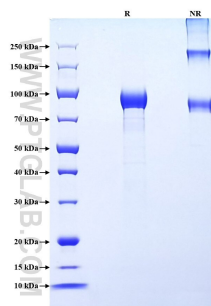
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/μg protein, LAL method Source: HEK293-derived Human Hemopexin protein Thr24-His462 (Accession# P02790) with a rabbit IgG Fc tag at the C-terminus. GeneID: 3263 Accession: P02790 Predicted Molecular Mass: 75.3 kDa SDS-PAGE: 90-100 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	Hemopexin (HPX) is a liver-synthesized plasma glycoprotein consisting of a single 60 kDa peptide chain. HPX has a high-affinity heme-binding capacity, and its main physiological functions are to bind and transport toxic free heme, prevent heme-induced oxidative stress and loss of heme-bound iron, and to counteract heme toxicity caused by severe acute or chronic hemolysis. HPX is mainly expressed in the liver, central and peripheral nervous system, and has been closely associated with the pathology of many diseases, including acute or chronic hemolytic diseases, liver diseases, infectious diseases, etc. It is considered as a biomarker for assessing heme load in many hemolytic pathologies.		
References	1. Ashouri R, et al. (2021). Int J Mol Sci. 22(12):6408. 2. Li Y, et al. (2023). Front Immunol. 14:1274333. 3. Bogdanov P, et al. (2023). Diabetes. 72(12):1841-1852. 4. Hvidberg V, et al. (2005). Blood. 106(7): 2572-2579.		
Synonyms	hemopexin, HPX, Beta 1B glycoprotein, Beta-1B-glycoprotein		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human Hemopexin was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.