Hemopexin Protein, Rat (HEK293, His)

Cat. No.:	HY-P74901
Synonyms:	Hemopexin; Hpx; Hpxn
Species:	Rat
Source:	HEK293
Accession:	P20059 (M1-Q460)
Gene ID:	58917
Molecular Weight:	Approximately 50.4 kDa

PROPERTIES

Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The Hemopexin protein exhibits the ability to bind to heme, serving as a transporter to facilitate its transportation to the liver. Once in the liver, heme is broken down, and the iron is recovered. Subsequently, the hemopexin protein, now free from heme, returns to circulation. This mechanism highlights the crucial role of hemopexin in the efficient management of heme and iron metabolism within the body.

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