

Hemopexin Protein, Rat (His)

Cat. No.:	HY-P72236
Synonyms:	Hpx; Hemopexin
Species:	Rat
Source:	E. coli
Accession:	P20059 (N24-Q460)
Gene ID:	58917
Molecular Weight:	Approximately 52.9 kDa

PROPERTIES

AA Sequence

N P L P A A H E T V	A K G E N G T K P D	S D V I E H C S D A	W S F D A T T M D H
N G T M L F F K G E	F V W R G H S G I R	E L I S E R W K N P	V T S V D A A F R G
P D S V F L I K E D	K V W V Y P P E K K	E N G Y P K L F Q E	E F P G I P Y P P D
A A V E C H R G E C	Q S E G V L F F Q G	N R K W F W D F A T	R T Q K E R S W P A
V G N C T A A L R W	L E R Y Y C F Q G N	K F L R F N P V T G	E V P P R Y P L D A
R D Y F I S C P G R	G H G K L R N G T A	H G N S T H P M H S	R C N A D P G L S A
L L S D H R G A T Y	A F S G S H Y W R L	D S S R D G W H S W	P I A H H W P Q G P
S A V D A A F S W D	E K V Y L I Q G T Q	V Y V F L T K G G N	N L V S G Y P K R L
E K E L G S P P G I	S L D T I D A A F S	C P G S S K L Y V T	S G R R L W W L D L
K S G A Q A T W A E	L S W P H E K V D G	A L C L E K S L G P	Y S C S S N G P N L
F F I H G P N L Y C	Y S S I D K L N A A	K S L P Q P Q K V N	S I L G C S Q

Appearance Lyophilized powder.

Formulation Lyophilized from a 0.2 µm solution of Tris-based buffer, 50% Glycerol.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH₂O.

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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