Datasheet for ABIN7317735

Hemopexin Protein (HPX) (His tag)

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Overview

Quantity:	100 µg
Target:	Hemopexin (HPX)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Hemopexin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Hemopexin/HPX Protein (His Tag)(Active)
Sequence:	Met 1-His 462
Characteristics:	A DNA sequence encoding the human HPX (NP_000604.1) (Met 1-His 462) with a C-terminal polyhistidine tag was expressed.
Purity:	> 96 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to bind protoporphyrin IX (PPPIX). Recombinant human Hemopexin binds > 10 µM PPPIX, resulting in a 50% decrease in the fluorescence signal of human Hemopexin.

Target Details

Target:	Hemopexin (HPX)

Target Details

Alternative Name:	Hemopexin/HPX (HPX Products)
Background:	Background: GPR114 belongs to the G-protein coupled receptor 2 family. Members of this family share a common molecular architecture which consists of seven transmembrane domains, three extracellular loops, three intracellular loops, an amino-terminal extracellular domain and an intracellular carboxyl terminus. It is thought that light acts as the activating stimulus of a G-protein-coupled receptor (GPCR). GPCRs are expected to have molecular function (G-protein coupled receptor activity) and to localize in various compartments (endoplasmic reticulum membrane, plasma membrane, integral to membrane). Family B of the GPCRs is a small but structurally and functionally diverse group of proteins that includes receptors for polypeptide hormones, molecules thought to mediate intercellular interactions at the plasma membrane and a group of Drosophila proteins that regulate stress responses and longevity. GPR114 contains 1 GPS domain. GPR114 gene has been proposed to participate in processes (G-protein coupled receptor protein signaling pathway, neuropeptide signaling pathway). Synonym: Hemopexin,Hpx,Hpxn
Molecular Weight:	50.7 kDa
NCBI Accession:	NP_000604
Pathways:	Transition Metal Ion Homeostasis, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.