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Datasheet for ABIN7274793

Hepcidin Protein (AA 59-83) (GST tag)

1 Image

Overview

Quantity:	100 µg
Target:	Hepcidin (HAMP)
Protein Characteristics:	AA 59-83
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hepcidin protein is labelled with GST tag.

Product Details

Purpose:	Mouse Hepcidin/HAMP Protein
Sequence:	Asp59-Thr83
Characteristics:	Recombinant Mouse Hepcidin/HAMP Protein is expressed from E.coli with GST tag at the N-Terminus.It contains Asp59-Thr83.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	Hepcidin (HAMP)
Alternative Name:	Hepcidin (HAMP Products)

Target Details

Background: Hepcidin, the main regulator of iron metabolism, is synthesized and released by hepatocytes in response to increased body iron concentration and inflammation. Deregulation of hepcidin expression is a common feature of genetic and acquired iron disorders: in Hereditary Hemochromatosis (HH) and iron-loading anemias low hepcidin causes iron overload, while in Iron Refractory Iron Deficiency Anemia (IRIDA) and anemia of inflammation (AI), high hepcidin levels induce iron-restricted erythropoiesis.

Molecular Weight: 29.05 kDa same as Tris-Bis PAGE result.

UniProt: [Q9EQ21](#)

Pathways: [Hormone Activity](#), [Transition Metal Ion Homeostasis](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

Buffer: Lyophilized from 0.22µm filtered solution in 50 mM Tris-HCl, 150 mM NaCl, 2 mM DTT (pH 7.5). Normally 8 % trehalose is added as protectant before lyophilization.

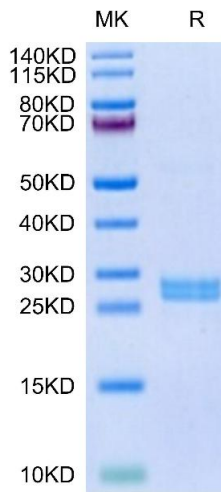
Preservative: Dithiothreitol (DTT)

Precaution of Use: This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months



SDS-PAGE

Image 1. Mouse Hepcidin on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .