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Hepcidin Protein (AA 60-84) (GST tag)





Overview

Quantity:	100 μg
Target:	Hepcidin (HAMP)
Protein Characteristics:	AA 60-84
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hepcidin protein is labelled with GST tag.

Product Details

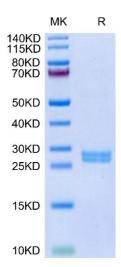
Purpose:	Human Hepcidin/HAMP Protein
Sequence:	Asp60-Thr84
Characteristics:	Recombinant Human Hepcidin/HAMP Protein is expressed from E.coli with GST tag at the N-Terminus.It contains Asp60-Thr84.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU 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:	29.08 kDa same as Tris-Bis PAGE result.
UniProt:	P81172
Pathways:	Hormone Activity, Transition Metal Ion Homeostasis
Application Details	
Restrictions:	For Research Use only
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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

 $\label{eq:mage 1.} \textbf{Image 1.} \ \textbf{Human Hepcidin on Tris-Bis PAGE under reduced} \\ \textbf{condition.} \ \textbf{The purity is greater than 95 \%} \ .$