Human Hepcidin/HAMP Protein

Cat. No. HEP-HE601

Description

Source	Recombinant Human Hepcidin/HAMP Protein is expressed from E.coli with GST tag at the N-Terminus.
	It contains Asp60-Thr84.
Accession	P81172
Molecular Weight	The protein has a predicted MW of 29.08 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

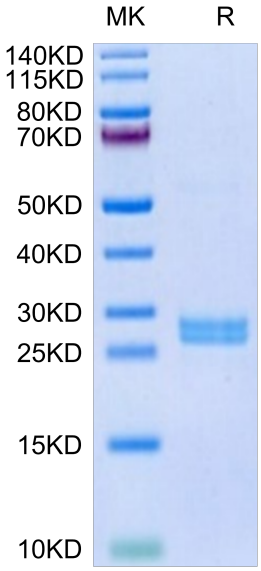
Formulation	Supplied as 0.22μm filtered solution in 50mM Tris-HCl, 150mM NaCl, 2mM DTT (pH 7.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

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.

Assay Data

Bis-Tris PAGE



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