

Mouse Heparin/HAMP Protein

Cat. No. HEP-ME601

Description

Source	Recombinant Mouse Heparin/HAMP Protein is expressed from E.coli with GST tag at the N-terminal. It contains Asp59-Thr83.
Accession	Q9EQ21
Molecular Weight	The protein has a predicted MW of 29.05 kDa same as Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

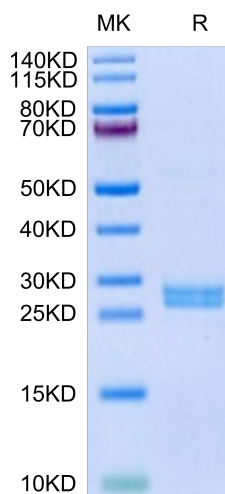
Formulation	Supplied as 0.22µm filtered solution in 50 mM Tris-HCl, 150 mM NaCl, 2 mM DTT (pH 7.5). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

Background

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

Assay Data

Tris-Bis PAGE



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