

Recombinant Human Hepcidin/HAMP Protein (GST Tag)

Catalog Number: PKSH032540

Note: Centrifuge before opening to ensure complete recovery of vial contents.

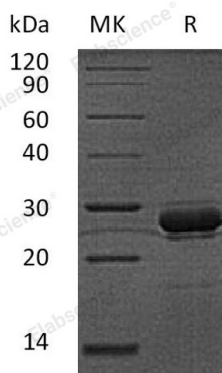
Description

Species	Human
Source	E.coli-derived Human Hepcidin;HAMP protein Asp60-Thr84, with an N-terminal GST
Calculated MW	29.2 kDa
Observed MW	28-30 kDa
Accession	P81172
Bio-activity	Not validated for activity

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/ gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, 50% Glycerol, pH 7.4.

Data



> 85 % as determined by reducing SDS-PAGE.

Background

Hepcidin (HAMP) is a secreted protein that belongs to the hepcidin family. It is expressed in liver, heart and brain. It is involved in the maintenance of iron homeostasis, and it is necessary for the regulation of iron storage in macrophages, and for intestinal iron absorption. The preproprotein is post-translationally cleaved into mature peptides of 20, 22 and 25 amino acids, and these active peptides are rich in cysteines, which form intramolecular bonds that stabilize their beta sheet structures.

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