

Recombinant Human Hepcidin/HAMP Protein (GST Tag)

Catalog No. PKSH032540

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

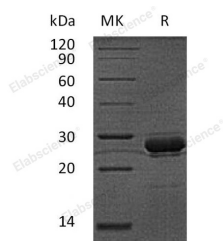
Description

Synonyms	Liver-expressed antimicrobial peptide 1; Putative liver tumor regressor; HEPC; LEAP1
Species	Human
Expression Host	E.coli
Sequence	Asp60-Thr84
Accession	P81172
Calculated Molecular Weight	29.2 kDa
Observed molecular weight	28-30 kDa
Tag	N-GST
Bioactivity	Not validated for activity

Properties

Purity	> 85 % as determined by reducing SDS-PAGE.
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.
Reconstitution	Not Applicable

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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