

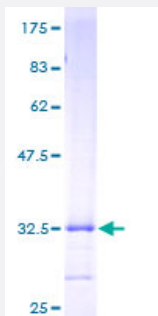
Full-Length

HAMP (Human) Recombinant Protein (P01)

Catalog # H00057817-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HAMP full-length ORF (AAH20612, 25 a.a. - 84 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SVFPQQTGQLAELQPQDRAGARASWMPMFQRRRRRDTHFPICIFCCGCCHRSKCGMCCKT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.34
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HAMP

Entrez GeneID [57817](#)

GeneBank Accession# [BC020612](#)

Protein Accession# [AAH20612](#)

Gene Name HAMP

Gene Alias HEPC, HEPCIDIN, HFE2B, LEAP-1, LEAP1, PLTR

Gene Description hepcidin antimicrobial peptide

Omim ID [602390 606464](#)

Gene Ontology [Hyperlink](#)

Gene Summary The product encoded by this gene 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. These peptides exhibit antimicrobial activity. Mutations in this gene cause hemochromatosis type 2B, also known as juvenile hemochromatosis, a disease caused by severe iron overload that results in cardiomyopathy, cirrhosis, and endocrine failure. [provided by RefSeq]

Other Designations liver-expressed antimicrobial peptide|putative liver tumor regressor

Disease

- [Abortion](#)

- [beta-Thalassemia](#)
- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Hemochromatosis](#)
- [Hereditary hemochromatosis](#)
- [Iron Metabolism Disorders](#)
- [Iron Overload](#)
- [Pregnancy Complications](#)