

Recombinant Full Length Human HAMP Protein, GST-tagged

Cat. No. HAMP-3454HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HAMP full-length ORF (AAH20612, 25 a.a. - 84 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	84 amino acids
Description	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]
Molecular Mass	32.34 kDa
AA Sequence	SVFPQQTGQLAELQPQDRAGARASWMPMFQRRRRRDTHFPICIFCCGCCHRSKC GMCKKT
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HAMP hepcidin antimicrobial peptide [Homo sapiens]
Official Symbol	HAMP
Synonyms	HAMP; hepcidin antimicrobial peptide; hepcidin; HEPC; HFE2B; LEAP 1; LEAP1; putative liver tumor regressor; liver-expressed antimicrobial peptide 1; PLTR;
Gene ID	57817
mRNA Refseq	NM_021175
Protein Refseq	NP_066998
MIM	606464
UniProt ID	P81172

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