

Recombinant Mouse Hamp Protein, Myc/DDK-tagged

Cat. No. Hamp-3354M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length hepcidin antimicrobial peptide (Hamp), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes hepcidin, an antimicrobial peptide and master hormonal regulator of systemic iron metabolism. The encoded preproprotein is synthesized in the hepatocytes where it undergoes proteolytic processing to generate disulfide-linked mature peptides that are secreted into the bloodstream. Mice lacking the encoded protein develop multivisceral iron overload, with sparing of the spleen macrophages. Certain mutations in the human ortholog of this gene cause hemochromatosis type 2B, also known as juvenile hemochromatosis. This gene is located adjacent to a related hepcidin gene on chromosome 7.
Molecular Mass	9.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Hamp hepcidin antimicrobial peptide [*Mus musculus* (house mouse)]

Official Symbol [Hamp](#)

Synonyms Hamp; hepcidin antimicrobial peptide; Hep; Hepc; Hamp1; Hepc1; hepcidin; hepcidin antimicrobial peptide 1

Gene ID [84506](#)

mRNA Refseq [NM_032541](#)

Protein Refseq [NP_115930](#)

UniProt ID [Q9EQ21](#)

SDS-PAGE



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