Datasheet for ABIN7491465

Hepcidin Protein (AA 60-84) (Fc Tag)

1 Image

Go to Product page

Overview

Quantity:	100 µg
Target:	Hepcidin (HAMP)
Protein Characteristics:	AA 60-84
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Hepcidin protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human HAMP(60-84) Protein with C-terminal human Fc tag
Specificity:	HAMP (Asp60-Thr84) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	Hepcidin (HAMP)
Alternative Name:	HAMP (HAMP Products)
Background:	The product encoded by this gene is involved in the maintenance of iron homeostasis, and it is

Target Details

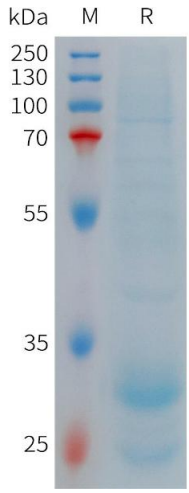
	necessary for the regulation of iron storage in macrophages, and for intestinal iron absorption. The preproprotein is post-translationally cleaved into mature peptides of 20, 22 and 25 amino acids, and these active peptides are rich in cysteines, which form intramolecular bonds that stabilize their beta-sheet structures. These peptides exhibit antimicrobial activity against bacteria and fungi. 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, Oct 2014]
Molecular Weight:	predicted molecular mass of 28.9 kDa after removal of the signal peptide. The apparent molecular mass of HAMP(60-84)-hFc is 25-35 kDa due to glycosylation.
UniProt:	P81172
Pathways:	Hormone Activity, Transition Metal Ion Homeostasis

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human HAMP(60-84) Protein, hFc Tag on SDS-PAGE under reducing condition.

