

32-8303: Recombinant Human Hepcidin/HAMP (N-GST)

Gene : HAMP
Gene ID : 57817
Uniprot ID : P81172

Description

Source: E. coli.
MW :2.92kD.

Recombinant Human Hepcidin is produced by our E.coli expression system and the target gene encoding Asp60-Thr84 is expressed with a GST tag at the N-terminus. 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.

Product Info

Amount : 10 µg / 50 µg
Content : Supplied as a 0.2 µm filtered solution of PBS, 50% glycerol, pH 7.4.
Storage condition : Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid : MSPILGYWKIKGLVQPTRLLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPYYIDGDVKLTQSMAIIRYIA
DKHNMLGGCPKERAIEISMLEGAVLDIRYGVSRAYS KDFETLKVDFLSKLPEMLKMFEDRLCHKTYLNGDHVTH
PDFMLYDALDVVLYMDPMCLDAFPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQGWQATFGGGDHPPKSDLVPR
GSENL YFQGHMDTHFPICIFCCGCCHRSKCGMCCKT

Application Note

Endotoxin : Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.