

## Product datasheet for TP527187

### Hamp (NM\_032541) Mouse Recombinant Protein

#### Product data:

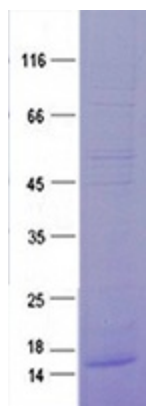
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse hepcidin antimicrobial peptide (Hamp), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227187 representing NM_032541 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)  MALSTRQAACLLLLLLASLSSTTYLHQMRQTTELQPLHGEESRADIAIPMQKRRKRDTNFPICIFCCK CCNNSQCGICCKT  <span style="color: red;">TR</span> <span style="color: green;">TRPLEQKLISEEDLAANDILDYKDDDDKV</span>
Tag:	C-MYC/DDK
Predicted MW:	9.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_115930</a></u>
Locus ID:	84506
UniProt ID:	<u><a href="#">Q9EQ21</a></u>
RefSeq Size:	410
Cytogenetics:	7 19.27 cM
RefSeq ORF:	249


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**Synonyms:** Hamp1; Hep; Hepc; Hepc1

**Summary:** 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. [provided by RefSeq, Aug 2016]

## Product images:



Coomassie blue staining of purified Hamp protein (Cat# TP527187). The protein was produced from HEK293T cells transfected with Hamp cDNA clone (Cat# [MR227187]) using MegaTran 2.0 (Cat# [TT210002]).