

Product datasheet for **MC211974**

Hamp (NM_032541) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hamp (NM_032541) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hamp
Synonyms:	Hamp1; Hep; Hepc; Hepc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_032541, the custom clone sequence may differ by one or more nucleotides

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ATGGCACTCAGCACTCGGACCCAGGCTGCCTGTCTCCTGCTTCTCCTCCTTGCCAGCCTGAGCAGCACCA  
CCTATCTCCATCAACAGATGAGACAGACTACAGAGCTGCAGCCTTTGCACGGGGAAGAAAGCAGGGCAGA  
CATTGCGATACCAATGCAGAAGAGAAGGAAGAGAGACACCAACTCCCCATCTGCATCTTCTGCTGTAAA  
TGCTGTAACAATTCCAGTGTGGTATCTGTTGCAAACATAG
```

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_032541
Insert Size:	252 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC021587](#), [AAH21587](#)

RefSeq Size: 393 bp

RefSeq ORF: 252 bp

Locus ID: 84506

UniProt ID: [Q9EQ21](#)

Cytogenetics: 7 19.27 cM

Gene 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]