

Product datasheet for **MC210367**

Hamp2 (NM_183257) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hamp2 (NM_183257) Mouse Untagged Clone
Tag: Tag Free
Symbol: Hamp2
Synonyms: 1810073K19Rik; HEPC; HEPC2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210367 representing NM_183257
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGATGGCACTCAGCACTCGGACCCAGGCTGCCTGTCTCCTGCTTCTCCTCCTTCCAGCCTGAGCAGCA
CCACCTATCTCCAGCAACAGATGAGACAGACTACAGAGCTGCAGCCTTTCACGGGAAGAAAGCAGGGC
AGACATTGCGATCCCAATGCAGAAGAGAAGGAAGAGAGACATCAACTTCCCCTGTCAGATTCTGCTGT
CAGTGCTGTAACAAACCCTCCTGTGGTATCTGTTGTGAAGAAT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_183257
Insert Size: 255 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: [NM_183257.3](#), [NP_899080.1](#)

RefSeq Size: 439 bp

RefSeq ORF: 252 bp

Locus ID: 66438

UniProt ID: [Q80T19](#)

Cytogenetics: 7 19.27 cM

Gene Summary: This gene encodes a peptide hormone that functions in the regulation 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. Transgenic mice overexpressing the encoded protein develop normally with hematologic parameters similar to the non-transgenic mice. This gene is located adjacent to a related hepcidin gene on chromosome 7. [provided by RefSeq, Aug 2016]