

Product datasheet for RC204620L4V

OriGene Technologies, Inc.

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HEPC (HAMP) (NM_021175) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: HEPC (HAMP) (NM_021175) Human Tagged ORF Clone Lentiviral Particle

Symbol: HEPC

Synonyms: HEPC; HFE2B; LEAP1; PLTR

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_021175

ORF Size: 252 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC204620).

Sequence:

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This

clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

RefSeg: NM 021175.2

 RefSeq Size:
 430 bp

 RefSeq ORF:
 255 bp

 Locus ID:
 57817

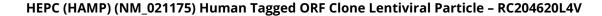
 UniProt ID:
 P81172

 Cytogenetics:
 19q13.12

Protein Families: Secreted Protein, Transmembrane

MW: 9.4 kDa







Gene Summary:

The product encoded by this gene 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. 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]