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Product datasheet for RC204620L4V

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 Sequence:	`The ORF insert of this clone is exactly the same as(RC204620).`
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.
RefSeq:	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

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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]