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Product datasheet for RC208791L4V

Carboxypeptidase H (CPE) (NM_001873) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Carboxypeptidase H (CPE) (NM_001873) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CPE
Synonyms:	CPH; IDDHH
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001873
ORF Size:	1428 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208791).
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_001873.1
RefSeq Size:	2443 bp
RefSeq ORF:	1431 bp
Locus ID:	1363
UniProt ID:	P16870
Cytogenetics:	4q32.3
Domains:	Zn_carbOpept
Protein Families:	Druggable Genome, Protease, Secreted Protein

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Protein Pathways: Type I diabetes mellitus

MW: 53.15 kDa

Gene Summary: This gene encodes a member of the M14 family of metallocarboxypeptidases. The encoded preproprotein is proteolytically processed to generate the mature peptidase. This peripheral membrane protein cleaves C-terminal amino acid residues and is involved in the biosynthesis of peptide hormones and neurotransmitters, including insulin. This protein may also function independently of its peptidase activity, as a neurotrophic factor that promotes neuronal survival, and as a sorting receptor that binds to regulated secretory pathway proteins, including prohormones. Mutations in this gene are implicated in type 2 diabetes. [provided by RefSeq, Nov 2015]