

## Product datasheet for **RC205832L4V**

### Apelin (APLN) (NM\_017413) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Apelin (APLN) (NM_017413) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Apelin
Synonyms:	APEL; XNPEP2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_017413
ORF Size:	231 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205832).
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. <a href="#">More info</a>
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:	<a href="#">NM_017413.3</a>
RefSeq Size:	3238 bp
RefSeq ORF:	234 bp
Locus ID:	8862
UniProt ID:	<a href="#">Q9ULZ1</a>
Cytogenetics:	Xq26.1
Protein Families:	Druggable Genome, Secreted Protein
MW:	8.6 kDa



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**Gene Summary:**

This gene encodes a peptide that functions as an endogenous ligand for the G-protein coupled apelin receptor. The encoded preproprotein is proteolytically processed into biologically active C-terminal peptide fragments. These peptide fragments activate different tissue specific signaling pathways that regulate diverse biological functions including fluid homeostasis, cardiovascular function and insulin secretion. This protein also functions as a coreceptor for the human immunodeficiency virus 1. [provided by RefSeq, Feb 2016]