

Product datasheet for **RC214837L4V**

PGPEP1 (NM_017712) Human Tagged ORF Clone Lentiviral Particle

Product data:

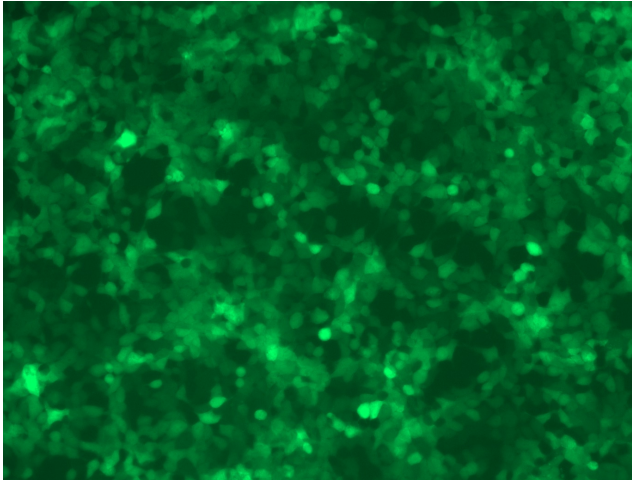
Product Type:	Lentiviral Particles
Product Name:	PGPEP1 (NM_017712) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PGPEP1
Synonyms:	PAP-I; Pcp; PGI; PGP; PGP-I; PGPI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_017712
ORF Size:	627 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214837).
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_017712.1
RefSeq Size:	2239 bp
RefSeq ORF:	630 bp
Locus ID:	54858
UniProt ID:	Q9NXJ5
Cytogenetics:	19p13.11
Protein Families:	Druggable Genome, Protease
MW:	23 kDa



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Gene Summary:

The gene encodes a cysteine protease and member of the peptidase C15 family of proteins. The encoded protein cleaves amino terminal pyroglutamate residues from protein substrates including thyrotropin-releasing hormone and other neuropeptides. Expression of this gene may be downregulated in colorectal cancer, while activity of the encoded protein may be negatively correlated with cancer progression in colorectal cancer patients. Activity of the encoded protease may also be altered in other disease states including in liver cirrhosis, which is associated with reduced protease activity, and in necrozoospermia, which is associated with elevated protease activity. [provided by RefSeq, Jul 2016]

Product images:

[RC214837L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC214837L4V particle to overexpress human PGPEP1-mGFP fusion protein.