

OriGene Technologies, Inc.

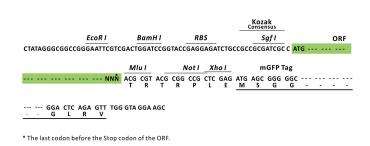
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Product datasheet for RC212686L4

Podoplanin (PDPN) (NM_001006624) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Podoplanin (PDPN) (NM_001006624) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	PDPN
Synonyms:	AGGRUS; GP36; Gp38; GP40; HT1A-1; OTS8; PA2.26; T1A; T1A-2; T1A2; TI1A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212686).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	
	Cloning sites used for ORF Shuttling:
	Sgf I ORF Mlu I GCG ATC GCC ATG NNN ACG CGT



ACCN: ORF Size: NM_001006624 360 bp



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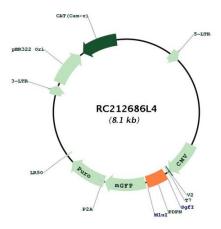
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	oplanin (PDPN) (NM_001006624) Human Tagged Lenti ORF Clone – RC212686L4
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <u>custsupport@origene.com</u> or by calling 301.340.3188 option 3 for pricing and delivery.
	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. <u>More info</u>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Metho	 d: 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM 001006624.1</u>
RefSeq Size:	2652 bp
RefSeq ORF:	363 bp
Locus ID:	10630
UniProt ID:	<u>Q86YL7</u>
Cytogenetics:	1p36.21
Protein Families:	Druggable Genome, Transmembrane
MW:	12.4 kDa

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Gene Summary:This gene encodes a type-I integral membrane glycoprotein with diverse distribution in
human tissues. The physiological function of this protein may be related to its mucin-type
character. The homologous protein in other species has been described as a differentiation
antigen and influenza-virus receptor. The specific function of this protein has not been
determined but it has been proposed as a marker of lung injury. Alternatively spliced
transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul
2008]

Product images:



Circular map for RC212686L4

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