

Product datasheet for RC220285L4

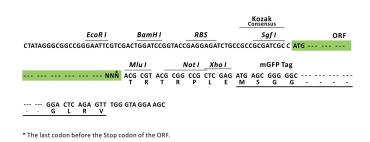
PPFIBP1 (NM_003622) Human Tagged Lenti ORF Clone

Product data:

OriGene Technologies, Inc. 9620 Medical Center Drive Ste

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	PPFIBP1 (NM_003622) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	PPFIBP1
Synonyms:	hSGT2; hSgt2p; L2; SGT2
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(RC220285).
Restriction Sites:	Sgfl-Mlul
Cloning Scheme:	Cloning sites used for ORF Shuttling:
	GCG ATC GCC ATG // NNN ACG CGT



ACCN: ORF Size: NM_003622 3015 bp



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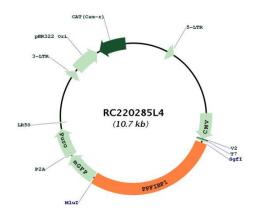
	PFIBP1 (NM_003622) Human Tagged Lenti ORF Clone – RC220285L4
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability 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 Me	 thod: 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.
RefSeq:	<u>NM 003622.2</u>
RefSeq Size:	6076 bp
RefSeq ORF:	3018 bp
Locus ID:	8496
UniProt ID:	<u>Q86W92</u>
Cytogenetics:	12p11.23-p11.22
Domains:	SAM, integrase_DNA
MW:	113 kDa

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GRIGENE PPFIBP1 (NM_003622) Human Tagged Lenti ORF Clone – RC220285L4

Gene Summary:The protein encoded by this gene is a member of the LAR protein-tyrosine phosphatase-
interacting protein (liprin) family. Liprins interact with members of LAR family of
transmembrane protein tyrosine phosphatases, which are known to be important for axon
guidance and mammary gland development. It has been proposed that liprins are
multivalent proteins that form complex structures and act as scaffolds for the recruitment
and anchoring of LAR family of tyrosine phosphatases. This protein was found to interact with
S100A4, a calcium-binding protein related to tumor invasiveness and metastasis. In vitro
experiment demonstrated that the interaction inhibited the phosphorylation of this protein
by protein kinase C and protein kinase CK2. Alternatively spliced transcript variants encoding
distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC220285L4

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