

Product datasheet for **RC209767L2V**

PAPP A (PAPPA) (NM_002581) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PAPP A (PAPPA) (NM_002581) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PAPPA
Synonyms:	ASBABP2; DIPLA1; IGFBP-4ase; PAPA; PAPP-A; PAPPA1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_002581
ORF Size:	4881 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209767).
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_002581.3
RefSeq Size:	11025 bp
RefSeq ORF:	4884 bp
Locus ID:	5069
UniProt ID:	Q13219
Cytogenetics:	9q33.1
Protein Families:	Druggable Genome, Protease, Secreted Protein
MW:	181.4 kDa



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Gene Summary:

This gene encodes a secreted metalloproteinase which cleaves insulin-like growth factor binding proteins (IGFBPs). Following IGFBP cleavage, insulin growth factors dissociate from IGFBPs and bind to IGF receptors, resulting in activation of the IGF pathway. The encoded protein plays a role in bone formation, inflammation, wound healing and female fertility. Enhanced expression of this protein is associated with diabetic nephropathy in human patients and this protein may promote tumor invasion and growth in various human cancers. [provided by RefSeq, Aug 2017]