

## Product datasheet for RC209767L1V

## OriGene Technologies, Inc.

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## 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-Myc-DDK (PS100064)

 Tag:
 Myc-DDK

 ACCN:
 NM\_002581

 ORF Size:
 4881 bp

**ORF Nucleotide** 

OTI Disclaimer:

Sequence:

The ORF insert of this clone is exactly the same as(RC209767).

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

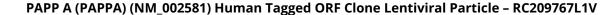
 UniProt ID:
 Q13219

**Cytogenetics:** 9q33.1

**Protein Families:** Druggable Genome, Protease, Secreted Protein

**MW:** 181.4 kDa







## **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]