OriGene Technologies, Inc.
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 datasheet for SC125584

PAPP A2 (PAPPA2) (NM_020318) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAPP A2 (PAPPA2) (NM_020318) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAPP A2
Synonyms:	PAPP-A2; PAPP-E; PAPPE; PLAC3
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC125584 sequence for NM_020318 edited (data generated by NextGen Sequencing)

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ATGATGTGCTTAAAGATCCTAAGAATAAGCCTGGCGATTTTGGCTGGGTGGGCACTCTGT
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TGGTGTGACACTATCAACAACCGAGCCTACTGCCACTATGACGGGGGAGACTGCTGCTCT
TCCACACTCTCCTCCAAGAAGGTCATTCCATTTGCTGCTGACTGTGACCTGGATGAGTGC
ACCTGCCGGGACCCCAAGGCAGAAGAAAATCAGTAA

Clone variation with respect to NM_020318.2

Restriction Sites: Please inquire

ACCN: NM_020318

Insert Size: 10000 bp

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 custsupport@origene.com 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. More info

OTI Annotation: A TrueClone.

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 Method:
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: NM_020318.1, NP_064714.1

RefSeq Size: 6940 bp

RefSeq ORF:	5373 bp
Locus ID:	60676
UniProt ID:	Q9BXP8
Cytogenetics:	1q25.2
Protein Families:	Protease, Secreted Protein
Gene Summary:	This gene encodes a member of the pappalysin family of metzincin metalloproteinases. The encoded protein cleaves insulin-like growth factor-binding protein 5 and is thought to be a local regulator of insulin-like growth factor (IGF) bioavailability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2010] Transcript Variant: This variant (1) encodes the longer isoform (1).