

## Product datasheet for **RC208064**

### PPAP2A (PLPP1) (NM\_003711) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPAP2A (PLPP1) (NM_003711) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPAP2A
Synonyms:	LLP1a; LPP1; PAP-2a; PAP2; PPAP2A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208064 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTTGACAAGACGCGGCTGCCGTACGTGGCCCTCGATGTGCTCTGCGTGTTGCTGGCTGGATTGCCTT  
TTGCAATCTTACTTCAAGGCATACCCCTTCCAACGAGGAGTATTCTGTAATGATGAGTCCATCAAGTA  
CCCTTACAAGAAGACACCATACCTTATGCGTTATTAGGTGGAATAATCATTCCATTCAGTATTATCGTT  
ATTATTCTTGAGAAACCCTGTCTGTTACTGTAACCTTTTGCCTCAAATTCCTTATCAGGAATAACT  
ACATAGCCACTATTTACAAGCCATTGGAACCTTTTTATTTGGTGCAGCTGCTAGTCAGTCCCTGACTGA  
CATTGCCAAGTATTCAATAGGCAGACTGCGGCCTCACTTCTTGGATGTTTGTGATCCAGATTGGTCAAAA  
ATCAACTGCAGCGATGGTTACATTGAATACTACATATGTCGAGGGAATGCAGAAAGATTAAGGAAGGCA  
GGTTGCTCTTCTATTAGGCCACTCTTCGTTTTCCATGTACTGCATGCTGTTTGTGGCACTTTATCTTCA  
AGCCAGGATGAAGGGAGACTGGGCAAGACTCTTACGCCCCACACTGCAATTTGGTCTTGTGGCGTATCC  
ATTTATGTGGCCTTTCTCGAGTTTCTGATTATAAACCACTGGAGCGATGTGTTGACTGGACTCATT  
AGGGAGCTCTGGTTGCAATATTAGTTGCTGTATATGATCGGATTTCTTCAAAGAAAGAACTTCTTTTAA  
AGAAAGAAAAGAGGAGGACTCTCATAACTCTGCATGAAACCAACAACCTGGGAATCACTATCCGAGC  
AATCACCAGCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

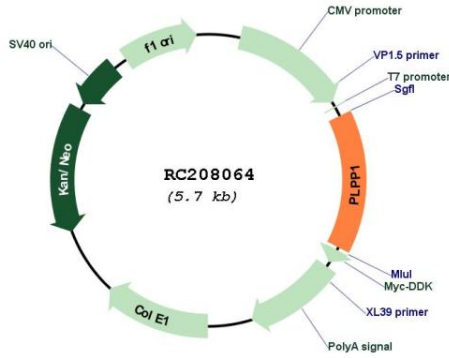


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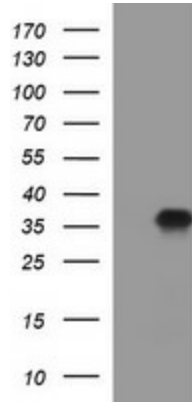


<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_003711.4</a>
<b>RefSeq Size:</b>	1685 bp
<b>RefSeq ORF:</b>	855 bp
<b>Locus ID:</b>	8611
<b>UniProt ID:</b>	<a href="#">O14494</a>
<b>Cytogenetics:</b>	5q11.2
<b>Domains:</b>	acidPPc
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Protein Pathways:</b>	Ether lipid metabolism, Fc gamma R-mediated phagocytosis, Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Sphingolipid metabolism
<b>MW:</b>	32.2 kDa
<b>Gene Summary:</b>	The protein encoded by this gene is a member of the phosphatidic acid phosphatase (PAP) family. PAPs convert phosphatidic acid to diacylglycerol, and function in synthesis of glycerolipids and in phospholipase D-mediated signal transduction. This enzyme is an integral membrane glycoprotein that plays a role in the hydrolysis and uptake of lipids from extracellular space. Alternate splicing results in multiple transcript variants of this gene. [provided by RefSeq, May 2013]

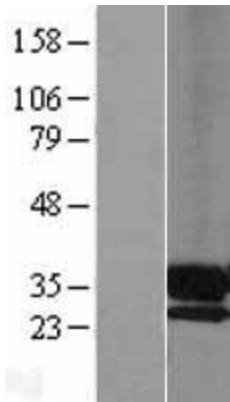
Product images:



Circular map for RC208064



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PPAP2A (Cat# RC208064, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PPAP2A (Cat# [TA506857]). Positive lysates [LY418483] (100ug) and [LC418483] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY418483]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208064 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).