# Recombinant Pig Lipid phosphate phosphohydrolase 1 (PPAP2A)

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| **Product Code** | CSB-YP018414PI |
| **Storage** | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| **Uniprot No.** | P60588 |
| **Product Type** | Recombinant Protein |
| **Immunogen Species** | Sus scrofa (Pig) |
| **Purity** | >85% (SDS-PAGE) |
| **Sequence** | MFDKTRLPYV ALDVL |
| **Source** | Yeast |
| **Target Names** | PLPP1 |
| **Protein Names** | Recommended name: Lipid phosphate phosphohydrolase 1 EC= 3.1.3.4 Alternative name(s): PAP2-alpha Phosphatidate phosphohydrolase type 2a Phosphatidic acid phosphatase 2a Short name= PAP-2a Short name= PAP2a |
| **Expression Region** | 1-15 |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| **Tag Info** | Tag type will be determined during the manufacturing process. |
| **Protein Length** | Full length protein |
| **Target Details** | This protein is a member of the phosphatidic acid phosphatase (PAP) family. PAPs convert phosphatidic acid to diacylglycerol, and function in de novo synthesis of glycerolipids as well as in receptor-activated signal transduction mediated by phospholipase D. This protein is an integral membrane glycoprotein, and has been shown to be a surface enzyme that plays an active role in the hydrolysis and uptake of lipids from extracellular space. The expression of this gene is found to be regulated by androgen in a prostatic adenocarcinoma cell line. At least two alternatively spliced transcript variants encoding distinct isoforms have been described. |
| **Reconstitution** | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| **Shelf Life** | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |