

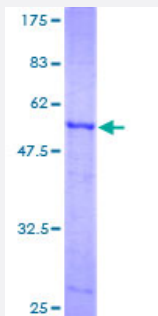
Full-Length

PPAP2A (Human) Recombinant Protein (P01)

Catalog # H00008611-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PPAP2A full-length ORF (AAH39847, 1 a.a. - 284 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MFDKTRLPYVALDVLCVLLAGLPFAILTSRHTPFQRGVFCNDESIKYPYKEDTIPYALLGGIIPFSIVII
LGETLSVYCNLLHSNSFIRNNYIATYKAIGTFLFGAAASQSLTDIAKYSIGRLRPHFLDVCDPDWSKI
NCSDGYIEYYICRGNAERVKEGRLSFYSGHSSFSMYCMLFVALYLQARMKGDWARLLRPTLQFGL
VAVSIYVGLSRVSDYKHHWSDVLTGLIQGALVAILVAVYVSDFFKERTSFKERKEEDSHTTLHETPT
TGNHYPSNHQP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

56.98

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PPAP2A

Entrez GeneID [8611](#)

GeneBank Accession# [BC039847](#)

Protein Accession# [AAH39847](#)

Gene Name PPAP2A

Gene Alias LLP1a, LPP1, PAP-2a, PAP2, PAP2a2, PAP2alpha2, PAPalpha1

Gene Description phosphatidic acid phosphatase type 2A

Omim ID [607124](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 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. [provided by RefSeq]

Other Designations lipid phosphate phosphohydrolase 1|lipid phosphate phosphohydrolase 1a|phosphatidic acid phosphatase 2a|phosphatidic acid phosphohydrolase type 2a|type 2 phosphatidic acid phosphohydrolase|type-2 phosphatidic acid phosphatase alpha

Pathway

- [Ether lipid metabolism](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Glycerolipid metabolism](#)
- [Glycerophospholipid metabolism](#)
- [Metabolic pathways](#)
- [Sphingolipid metabolism](#)

Disease

- [Tobacco Use Disorder](#)