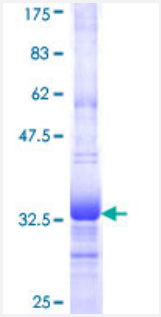
PPAP2C (Human) Recombinant Protein (Q01)

Catalog # H00008612-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PPAP2C partial ORF (NP_003703, 114 a.a. - 166 a.a.) recombinant protein with GST-tag a t N-terminal.
Sequence	DLAKYMIGRLRPNFLAVCDPDWSRVNCSVYVQLEKVCRGNPADVTEARLSFYS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	31.57
Interspecies Antigen Sequence	Mouse (89); Rat (89)
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 — PPAP2C

Entrez GeneID	8612
GeneBank Accession#	NM_003712
Protein Accession#	NP_003703
Gene Name	PPAP2C
Gene Alias	LPP2, PAP-2c, PAP2-g
Gene Description	phosphatidic acid phosphatase type 2C
Omim ID	607126
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 similar to phosphatidic acid phosphatase type 2A (PPAP2A) and type 2B (PPAP2B). All three proteins contain 6 transmembrane regions, and a consensus N-glycosylation site. This protein has been shown to possess membrane associated PAP activity. Three alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq
Other Designations	lipid phosphate phosphohydrolase 2|phosphatidic acid phosphohydrolase type 2c|type-2 phosphatidic acid phosphatase-gamma

Pathway

- Ether lipid metabolism

- Fc gamma R-mediated phagocytosis
- Glycerolipid metabolism
- Glycerophospholipid metabolism
- Metabolic pathways
- Sphingolipid metabolism

Disease

- Kidney Failure