

## Product datasheet for **TP303480L**

### Phosphatidic acid phosphatase type 2B (PLPP3) (NM\_003713) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human phosphatidic acid phosphatase type 2B (PPAP2B), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC203480 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 <p>MQNYKYDKAIVPESKNGGSPALNNNPRRSGSKRVLLICLDLFLMAGLPFLIETSTIKPYHRGFYCND          ESIKYPLKTGETINDAVLCAVGIVAILAITGEFYRIYYLKKSRSTIQNPYVAALYKQVGCFLFGCAIS          QSFTDIKVSIGRLRPHFLSVCNPDFSQINCSEGIQNYRCRGDDSKVQEARKEFFSGHASFSMYTMLYL          VLYLQARFTWRGARLLRPLLQFTLIMMAFYTGLSRVSDHKHHPDVLGAFAGALVACCIVFFVSDLFKT          KMTLSLPAPAIRKEILSPVDIIDRNNHHNMM</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	34.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_003704</a>
Locus ID:	8613



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UniProt ID: [O14495](#)

RefSeq Size: 3324

Cytogenetics: 1p32.2

RefSeq ORF: 933

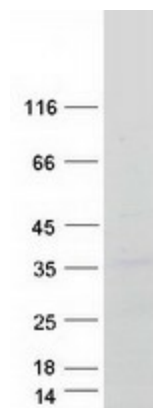
Synonyms: Dri42; LPP3; PAP2B; PPAP2B; VCIP

**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 a membrane glycoprotein localized at the cell plasma membrane. It has been shown to actively hydrolyze extracellular lysophosphatidic acid and short-chain phosphatidic acid. The expression of this gene is found to be enhanced by epidermal growth factor in Hela cells. [provided by RefSeq, Mar 2010]

**Protein Families:** Druggable Genome, Transmembrane

**Protein Pathways:** Ether lipid metabolism, Fc gamma R-mediated phagocytosis, Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Sphingolipid metabolism

### Product images:



Coomassie blue staining of purified PLPP3 protein (Cat# [TP303480]). The protein was produced from HEK293T cells transfected with PLPP3 cDNA clone (Cat# [RC203480]) using MegaTran 2.0 (Cat# [TT210002]).