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Product datasheet for PH303480

Phosphatidic acid phosphatase type 2B (PLPP3) (NM_003713) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PPAP2B MS Standard C13 and N15-labeled recombinant protein (NP_003704)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203480
Predicted MW:	35.1 kDa
Protein Sequence:	>RC203480 protein sequence Red=Cloning site Green=Tags(s) MQNYKYDKAIVPESKNGGSPALNNNPRRSGSKRVLLICLDLFCLFMAGLPFLIIETSTIKPYHRGFYCND ESIKYPLKTGETINDAVLCAVGIVIAILAIITGEFYRIYYLKKSRSTIQNPYVAALYKQVGCFLFGCAIS QSFTDIAKVSIGRLRPHFLSVCNPDFSQINCSEGYIQNYRCRGDDSKVQEARKSFFSGHASFSMYTMLYL VLYLQARFTWRGARLLRPLLQFTLIMMAFYTGLSRVSDHKHHPSDVLAGFAQGALVACCIVFFVSDLFKT KMTLSLPAPAIRKEILSPVDIIDRNNHHNMM TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_003704
RefSeq Size:	3324
RefSeq ORF:	933
Synonyms:	Dri42; LPP3; PAP2B; PPAP2B; VCIP
Locus ID:	8613

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UniProt ID: O14495

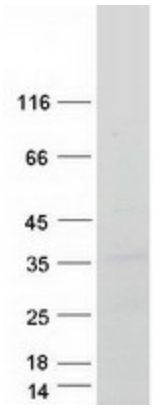
Cytogenetics: 1p32.2

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]).