

Product datasheet for **SC320358**

Phosphatidic acid phosphatase type 2B (PLPP3) (NM_003713) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phosphatidic acid phosphatase type 2B (PLPP3) (NM_003713) Human Untagged Clone
Tag:	Tag Free
Symbol:	Phosphatidic acid phosphatase type 2B
Synonyms:	Dri42; LPP3; PAP2B; PPAP2B; VCIP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_003713.3
GGAAGGTGGCCGAGCGCCCGCTGCCACTCGCTCGCTCGCGCACTCAGACGCGGCCA
CAACAGCGCGCCCAAGCTGCGCAGCTTGCAAAAGTTTCTGCTCGGGATCTGGCTCTCT
TCCCCTTGGACTTTAGAACGATTTAGGGTTGACAGAGAAAGCAGAGGCGCGCAGGAGGA
GCAGAAAACACCACCTTCTGCAGTTGGAGGCAGGAGCCCGGCTGCACTCTAGCCGCCG
CGCCCGGAGCGGGGCCACCCGCACTATCCGCAGCAGCCTCGGCCAGGAGGCGACCCG
GGCGCCTGGGTGTGTGGCTGCTGTTGCGGGACGTCTTCGCGGGCGGGAGGCTCGCGCCG
CAGCCAGCGCCATGCAAACTACAAGTACGACAAAGCGATCGTCCCGAGAGCAAGAACG
GCGGCAGCCCGGCTCAACAACAACCCGAGGAGGAGCGGCAGCAAGCGGGTGTGCTCA
TCTGCCTCGACCTTTCTGCCTTTCATGGCGGGCCTCCCCTTCTCATCATCGAGACAA
GCACCATCAAGCCTTACCACCGAGGGTTTTACTGCAATGATGAGAGCATCAAGTACCCAC
TGAAAACCTGGTGAGACAATAAATGACGCTGTGCTCTGTGCCGTGGGGATCGTCATTGCCA
TCCTCGCGATCATCACGGGGGAATTCTACCGGATCTATTACCTGAAGAAGTCGCGGTGCA
CGATTCAGAACCCTACGTGGCAGCACTCTATAAGCAAGTGGGCTGCTTCTCTTTGGCT
GTGCCATCAGCCAGTCTTTCACAGACATTGCCAAAGTGTCCATAGGGCGCCTGCGTCCTC
ACTTCTTGAGTGTCTGCAACCCTGATTTACGCCAGATCAACTGCTCTGAAGGCTACATTC
AGAACTACAGATGCAGAGGTGATGACAGCAAAGTCCAGGAAGCCAGGAAGTCCTTCTTCT
CTGGCCATGCCTCCTTCTCCATGTACACTATGCTGTATTTGGTGTATACCTGCAGGCC
GCTTCACTTGGCAGGAGCCCGCTGCTCCGGCCCTCCTGCAGTTCACCTTGATCATGA
TGGCCTTCTACACGGGACTGTCTCGCGTATCAGACCACAAGCACCATCCCAGTGATGTTCT
TGGCAGGATTTGCTCAAGGAGCCCTGGTGGCCTGCTGCATAGTTTTCTTGTGTCTGACC
TCTTCAAGACTAAGATGACGCTCTCCCTGCCTGCCCTGCTATCCGGAAGGAAATCCTTT
CACCTGTGGACATTATTGACAGGAACAATCACCACAACATGATGTAGGTGCCACCCACCT
CCTGAGCTGTTTTGTAAAATGACTGCTGACAGCAAGTCTTGTGCTCTCCAATCTCAT
CAGACAGTAGAATGTAGGGAAAACTTTTGCCCGACTGATTTTTAAAAAAAAAAAAAAAAAA
AA



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Restriction Sites:	Please inquire
ACCN:	NM_003713
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_003713.3 , NP_003704.3
RefSeq Size:	3310 bp
RefSeq ORF:	936 bp
Locus ID:	8613
UniProt ID:	O14495
Cytogenetics:	1p32.2
Domains:	acidPPc
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Ether lipid metabolism, Fc gamma R-mediated phagocytosis, Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways, Sphingolipid metabolism
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 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]