

Recombinant Human PLCL2, His-tagged

Cat. No. PLCL2-28514TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 554-1001 of Human PLCL2 isoform 3 with N terminal His tag; 448 amino acids, 54kDa.
Species	Human
Source	E.coli
ProteinLength	554-1001 a.a.
Description	PLCL2 (Phospholipase C like 2) belongs to phospholipase C family. However, the PI-PLC X-box lacks the essential histidine at position 486 which is replaced by a threonine. It is, therefore, predicted to be inactive. It may play an role in the regulation of Ins(1,4,5)P3 around the endoplasmic reticulum.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 106 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MRIDSSNMNPQDFWKCGCQIVAMNFQTPGLMMDLNIGWFR QNGNCGYVLRPAIM REEVSFFSANTKDSVPGVSPQLLH IKIISGQNFPKPKGSGAKGDVVDPYVYVEIHGIP

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ADCA EQRTKTVHQNGDAPIFDESFEFQINLPELAMVRFVVLDDDYIGDEFIQYTIPF
 ECLQTGYRHHVPLQSLTGEVLAHAS LFVHVAITNRRGGGKPHKRGLSVRKGGKSREY
 ASLRTL WIKTVDEVFKNAQPPIRDATDLRENMQNAVVSFKELCG LSSVANLMQCML
 AVSPRFLGPDNTPLVVLNLSEQYPTMEL QGIVPEVLKKIVTTYDMMIQSLKALIENAD
 AVYEKIVH CQKAAMEFHEHLHSIGTKEGLKERKLQKAVESFTWNIT ILKGQADLLKY
 AKNETLENLKQIHFAAVSCGLNKPGE NADVQKPRRSLEVIPEKANDETGE

GENE INFORMATION

Gene Name	PLCL2 phospholipase C-like 2 [Homo sapiens]
Official Symbol	PLCL2
Synonyms	PLCL2; phospholipase C-like 2; phospholipase C, epsilon 2 , PLCE2; inactive phospholipase C-like protein 2; KIAA1092;
Gene ID	23228
mRNA Refseq	NM_001144382
Protein Refseq	NP_001137854
MIM	614276
Uniprot ID	Q9UPR0
Chromosome Location	3p25.3-p25.1
Function	calcium ion binding; phosphatidylinositol phospholipase C activity; signal transducer activity;

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