

Datasheet for ABIN7554980

PLCL1 Protein (AA 1-1095) (His tag)



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Overview

Quantity:	1 mg
Target:	PLCL1
Protein Characteristics:	AA 1-1095
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLCL1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PLCL1 Protein expressed in mammalian cells.
Sequence:	<p>MAEGAAGRED PAPPDAAGGE DDPVGPDAAGDCVTAASGG RMRDRRSGVA LPGAAGTPAD</p> <p>SEAGLLEAAR ATPRRSSIIK DPSNQKCGGR KKTVSFSSMP SEKKISSAND CISFMQAGCE</p> <p>LKKVRPNSRI YNRFFTLDTD LQALRWEPSK KDLEKAKLDI SAIKEIRLGK NTETFRNGL</p> <p>ADQICEDCAF SILHGENYES LDLVANSADV ANIWWVSGRLV LVSRSKQPLD FMEGNQNTPR</p> <p>FMWLKTVFEA ADVDGNGIML EDTSVELIKQ LNPTLKEAKI RLKFKIEQKS KEKLTTRVTE</p> <p>EEFCEAFCEL CTRPEVYFLL VQISKNEYL DANDLMLFLE AEQGVTHITE DICLDIIRRY</p> <p>ELSEEGRQKG FLAIDGFTQY LLSSECDIFD PEQKKVAQDM TQPLSHYYIN ASHNTYLIED</p> <p>QFRGPADING YIRALKMGCR SVELDVSDGS DNEPILCNRN NMTTHVSFRS VIEVINKFAF</p> <p>VASEYPLILC LGNHCSLPQQ KVMAQQMKKV FGNKLYTEAP LPSESYLPSP EKLKRMIIVK</p> <p>GKKLPSPDPV LEGEVTDEDE EAEMSRRMSV DYNGEQKQIR LCRELSDLVS ICKSVQYRDF</p> <p>ELSMKSQNYW EMCSFSETEA SRIANEYPED FVNYNKKFLS RIYPSAMRID SSNLNPQDFW</p> <p>NCGCQIVAMN FQTPGPMMDL HTGWFLQNGG CGYVLRPSIM RDEVSYFSAN TKGILPGVSP</p>

LALHIKISG QNFPKPKGAC AKGDVIDPYV CIEIHGIPAD CSEQRTKTQV QNSDNPIDFDE
TFEFQVNLPE LAMIRFVVDL DDYIGDEFIG QYTIPFECLQ PGYRHHVPLRS FVGDI MEHVT
LFVHIAITNR SGGGKAQKRS LSVRMGKKVR EYTMLRNIGL KTIDDIFKIA VHPLREADM
RENMQNAIVS IKELCGLPPI ASLKQCLLTL SSRLITSDNT PSVSLVMKDS FPYLEPLGAI
PDVQKKMLTA YDLMIQESRF LIEMADTVQE KIVQCQKAGM EFHEELHNLG AKEGLKGRKL
NKATESFAWN ITVLKGQGD LKNAKNEAIE NMKQIQLACL SCGLSKAPSS SAEAKSKRSL
EAIEEKESSE ENGKL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	PLCL1
Alternative Name:	PLCL1 (PLCL1 Products)
Background:	Inactive phospholipase C-like protein 1 (PLC-L1) (Phospholipase C-deleted in lung carcinoma) (Phospholipase C-related but catalytically inactive protein) (PRIP),FUNCTION: Involved in an

Target Details

inositol phospholipid-based intracellular signaling cascade. Shows no PLC activity to phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol. Component in the phospho-dependent endocytosis process of GABA A receptor (By similarity). Regulates the turnover of receptors and thus contributes to the maintenance of GABA-mediated synaptic inhibition. Its aberrant expression could contribute to the genesis and progression of lung carcinoma. Acts as an inhibitor of PPP1C. {ECO:0000250, ECO:0000269|PubMed:17254016}.

Molecular Weight: 122.7 kDa

UniProt: [Q15111](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months