

Datasheet for ABIN7563750

PLCL1 Protein (AA 1-1096) (His tag)



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Overview

Quantity:	1 mg
Target:	PLCL1
Protein Characteristics:	AA 1-1096
Origin:	Mouse
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>MAEGAASREA PAPLDVAGGE DDPRAGADAA SGDAPPPALG GRMRDRRSGV ALPGAAGVPA</p> <p>DSEAGLLEAA RATPRRSSII KDPSNQKCGG RKKTVSFSSM PSEKKISSAH DCISFMQAGC</p> <p>ELKKVRPNSR IYNRFFTLDT DLQALRWEPS KKDLEKAKLD ISAIKEIRLG KNTETFRNNG</p> <p>LADQICEDCA FSILHGENYE SLDLVANSAD VANIWVSGLR YLVSRSKQPL DFIEGNQNTF</p> <p>RFMWLKTVE AADVDGNGIM LEDTSVELIK QLNPTLKESK IRLKFKEIQK SKEKLTTTRVT</p> <p>EEEFCEAFCE LCTRPEVYFL LVQISKNEY LDANDLMLFL EAEQGVTHIT EDMCLDIIRR</p> <p>YELSEDGRQK GFLAIDGFTQ YLLSPECDF DPEQKKVAQD MTQPLSHYYI NASHNTYLIE</p> <p>DQFRGPADIN GYVRALKMGC RSIELDVSDG PDNEPILCNR NNMAMHLSFR SVLEVINKFA</p> <p>FVASEYPLIL CLGNHCSLPQ QKVMAQQMKK VFGEKLYTEA PLSSSESYLPS PEKLKNMIIV</p> <p>KGKKLPESD LLEGEVTDDE EEAEMSRMS GDYNGEQKHI WLCRELSLV SICKSVQHRD</p> <p>FELSMKTQNY WEMCSFSETE ASRIANEYPE DFNYNKKFL SRVYPSAMRI DSSNLNPQDF</p> <p>WNCGCQIVAM NFQTPGPMMD LHTGWFLQNG GCGYVLRPSI MRDEVSYFSA NTKGIVPGVS</p>

Product Details

PLVLHIKIIIS GQNFPKPKGA CAKGDVIDPY VCVEIHGIPA DCCEQRTKTV QQNSDNPIFD
ETFEFQVNLP ELTMVRFVIL DDDYIGDEFI GQYTIPFECL QPGYRHVPLR SFVGDIMEHV
TLFVHIAITN RSGGGKPQKR SLSVRMGKKV REYTMLRNIG LKTIDDIFKI AVHPLREAD
MRENMQNAIV SVKELCGLPP IASLKQCLLT LSSRLITSDS TPSVSLVMKD CFPYLEPLGA
IPDVQKRMLA AYDLMIQESR VLIEMADTVQ EKIVQCQKAG MEFHEELHNL GAKEGLKGRK
LNKAIESFAW NITVLKGQGD LLKNAKNEAV ENIKQIQLAC LSCGLSKGPG GGSEAKGKRS
LEAIEEKESSE EENGKL **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:	Plc1 (PLCL1 Products)
Background:	Inactive phospholipase C-like protein 1 (PLC-L1) (Phospholipase C-related but catalytically inactive protein) (PRIP),FUNCTION: Involved in an inositol phospholipid-based intracellular

Target Details

signaling cascade. Shows no PLC activity to phosphatidylinositol 4,5-bisphosphate and phosphatidylinositol. Component in the phospho-dependent endocytosis process of GABA A receptor. Acts as an inhibitor of PPP1C (By similarity). Involved in the assembly and/or the trafficking of gamma-2 subunit-containing GABA A receptors. {ECO:0000250, ECO:0000269|PubMed:16854455, ECO:0000269|PubMed:17301177}.

Molecular Weight: 122.7 kDa

UniProt: [Q3USB7](#)

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