Datasheet for ABIN7554947

Phospholipase C delta 3 Protein (PLCd3) (AA 1-789) (His tag)

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Overview

Quantity:	1 mg
Target:	Phospholipase C delta 3 (PLCd3)
Protein Characteristics:	AA 1-789
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Phospholipase C delta 3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PLCD3 Protein expressed in mammalien cells.
Sequence:	MLCGRWRRCR RPPEEPPVAA QVAAQVAAPV ALPSPPTPSD GGTKRPGLRA LKKMGLTEDE DVRAMLRGSR LRKIRSRTWH KERLYRLQED GLSVWFQRRI PRAPSQHIFF VQHIEAVREG HQSEGLRRFG GAFAPARCLT IAFKGRRKNL DLAAPTAEEA QRWVRGLTKL RARLDAMSQR ERLDHWIHSY LHRADSNQDS KMSFKEIKSL LRMVNVDMND MYAYLLFKEC DHSNNDRLEG AEIEEFLRRL LKRPELEEIF HQYSGEDRVL SAPELLEFLE DQGEEGATLA RAQQLIQTYE LNETAKQHEL MTLDGFMMYL LSPEGAALDN THTCVFQDMN QPLAHYFISS SHNTYLTDSQ IGGPSSTEAY VRAFAQGCRC VELDCWEGPG GEPVIYHGHT LTSKILFRDV VQAVRDHAFT LSPYPVILSL ENHCGLEQQA AMARHLCTIL GDMLVTQALD SPNPEELPSP EQLKGRVLVK GKKLPAARSE DGRALSDREE EEEDDEEEEE EVEAAAQRRL AKQISPELSA LAVYCHATRL RTLHPAPNAP QPCQVSSLSE RKAKKLIREA GNSFVRHNAR QLTRVYPLGL RMNSANYSPQ EMWNSGCQLV ALNFQTPGYE MDLNAGRFLV NGQCGYVLKP ACLRQPDSTF DPEYPGPPRT

Product Details

	TLSIQVLTAQ QLPKLNAEKP HSIVDPLVRI EIHGVPADCA RQETDYVLNN GFNPRWGQTL QFQLRAPELA LVRFVVEDYD ATSPNDFVGQ FTLPLSSLKQ GYRHIHLLSK DGASLSPATL FIQIRIQRS **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.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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). 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. If you are not interested in a full length protein, please contact us for individual protein fragments. 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.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	Phospholipase C delta 3 (PLCd3)
Alternative Name:	PLCD3 (PLCd3 Products)
Background:	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-3 (EC 3.1.4.11) (Phosphoinositide phospholipase C-delta-3) (Phospholipase C-delta-3) (PLC-delta-3),FUNCTION: Hydrolyzes the phosphatidylinositol 4,5-bisphosphate (PIP2) to generate 2 second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). DAG mediates the activation of protein kinase C (PKC), while IP3 releases Ca(2+) from intracellular stores. Essential for trophoblast and placental development. May participate in cytokinesis by hydrolyzing PIP2 at the cleavage furrow (PubMed:10336610). Regulates neurite outgrowth through the inhibition of RhoA/Rho kinase signaling (By similarity).

Target Details

	{ECO:0000250|UniProtKB:Q8K2J0, ECO:0000269|PubMed:10336610}.
Molecular Weight:	89.3 kDa
UniProt:	Q8N3E9
Pathways:	WNT Signaling

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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

