

Datasheet for ABIN7559728
PLCD1 Protein (AA 1-756) (His tag)



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Overview

Quantity:	1 mg
Target:	PLCD1
Protein Characteristics:	AA 1-756
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLCD1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Plcd1 Protein expressed in mammalien cells.
Sequence:	<p>MDSGRDFLTL HGLQDDPDLQ ALLKGSQLLK VKSSSWRRER FYKLQEDCKT IWQESRKVMR</p> <p>SPESQLFSIE DIQEVRMGHR TEGLEKFARD IPEDRCFSIV FKDQRNTLDL IAPSPADVQH</p> <p>WVQGLRKIID RSGSMDQRQK LQHWIHSCLR KADKNKDNKM NFKEVKDFLK ELNVQVDDSY</p> <p>ARKIFRECDH SQTDSLEDEE IETFYRMLTQ RAEIDRAFAE AAGSAETLSV EKLVTFLQHQ</p> <p>QREEEAGPAL ALSLIERYEP SETAKAQRQM TKDGFLMYLL SADGNAFSLA HRRVYQDMNQ</p> <p>PLSHYLVSSS HNTYLLLEDQL TGPSSTEAYI RALCKGCRCL ELDCWDGPNQ EPIIYHGYTF</p> <p>TSKILFCDVL RAIRDYAFKA SPYPVILSLE NHCSLEQQRV MAHHLRAILG PMLLDQPLDG</p> <p>VTTSLPSPEQ LKEKILLKGK KLGGLLPAGG ENGPEATDVS DEDEAAEMED EAVRSQVQHK</p> <p>PKEDKLKLVLP ELSDMVIYCK SVHFGGFSSP STSGQAFYEM ASFSESRALR LLQESGNSFV</p> <p>RHNVGHLSRI YPAGWRTDSS NYSPVEMWNG GCQIVALNFQ TPGPEMDVYL GCFQDNGGCG</p> <p>YVLKPAFLRD PDITTFNSRAL TQGPWWAPKK LRVWIISGQQ LPKVNKNKNS IVDPKVIVEI</p>

HGVGQDVASR QTAVITNNGF NPRWDTEFEF VVAVPDLALV RFMVEDYDSS SKNDFIGQST
IPWNSLKQGY RHHVLLSKNG DLHPSATLFV KISIQD **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:	<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>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	PLCD1
Alternative Name:	Plcd1 (PLCD1 Products)
Background:	<p>1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase delta-1 (EC 3.1.4.11) (Phosphoinositide phospholipase C-delta-1) (Phospholipase C-delta-1) (PLC-delta-1),FUNCTION: The production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3) is mediated by activated phosphatidylinositol-specific phospholipase C enzymes. Essential for trophoblast and placental development. Binds phosphatidylinositol 4,5-bisphosphate (By similarity). {ECO:0000250 UniProtKB:P51178, ECO:0000269 PubMed:16314520}.</p>
Molecular Weight:	85.9 kDa

Target Details

UniProt:	Q8R3B1
Pathways:	WNT Signaling, Myometrial Relaxation and Contraction, Regulation of Carbohydrate Metabolic Process

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