

Datasheet for ABIN7556829
Phospholipase D2 Protein (PLD2) (AA 1-933) (His tag)



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Overview

Quantity:	1 mg
Target:	Phospholipase D2 (PLD2)
Protein Characteristics:	AA 1-933
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Phospholipase D2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pld2 Protein expressed in mammalien cells.
Sequence:	MTVTQKNLFP YGDYLNSSQL HMEPDEVDTL REGEDPADRM HPYLAIDLQ PLKAHPLVFA PGVPVIAQVV GTERYTSISK VGTCTLYSVR LTHGDFWTT KKKFRHFQEL HRDLQRHKVL MSLLPLARFA VTHSPAREAA AEDIPSLPRG GSEGSARHTA SKQKYLENYL NRLLTMSFYR NYHAMTEFLE VSQLSFIPDL GSKGLEGVIR KRSGGHRVPG FTFCGRDQVC YRWSKRWLVV KDSFLLYMRP ETGAISFVQL FDPGFEVQVG KRSTETRYGV RIDTSHRSLI LKCSSYRQAR WWGQEITELA QGSGRDFLQL HQHDSYAPPR PGTLARWFFN GAGYFAAVAD AILRAQEEIF ITDWWLSPEI YLKRPASDD WRDMLKRRK AEEGVRVSIL LFKEVELALG INSGYSKRTL MLLHPNIKVM RHPDLVTLWA HHEKLLVVDQ VVAFLGGLDL AFGRWDDVQY RLTDLGDPSE PVHLQTPTLG SDPAATPDLN HNQFFWLKGD YSNLITKDWV QLDRPFEDFI DRETTPRMPW RDVGVVVHGV AARDLARHFI QRWNFTKTTK ARYKTPLYPY LLPKSTSTAN NLPFMIPGGQ CATVQVLRVS DRWSAGTLEN SILNAYLHTI RESQHFLYIE NQFFISCSDG RTVLNKGVD

IVDRILKAHE QGQCFRVYLL LPLLPGFEGD ISTGGGNSIQ AILHFTYRTL CRGEHSILHR
LKAAMGTAWR DYMSICGLRT HGELGGHPIS ELIYIHSKML IADDRTVIIG SANINDRSL
GKRDSSELAIL IKDTEMEPSL MDGVEYQAGR FALSRLKHCF SVILGANTWP DLDLRDPVCD
DFFQLWQETA ENNATIYEQI FRCLPSNATR SLRALREYVA VESLATVSPS LAQSELAHIQ
GHLVHFPLKF LEDESLLPPL GSKEGMIPLE VWT **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>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	Phospholipase D2 (PLD2)
Alternative Name:	Plid2 (PLD2 Products)
Background:	<p>Phospholipase D2 (PLD 2) (mPLD2) (EC 3.1.4.4) (Choline phosphatase 2) (PLD1C) (Phosphatidylcholine-hydrolyzing phospholipase D2),FUNCTION: Function as phospholipase selective for phosphatidylcholine (PubMed:21085684). May have a role in signal-induced cytoskeletal regulation and/or endocytosis (PubMed:9395408).</p> <p>{ECO:0000269 PubMed:21085684, ECO:0000269 PubMed:9395408}.</p>

Target Details

Molecular Weight:	106.2 kDa
UniProt:	P97813
Pathways:	RTK Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Regulation of G-Protein Coupled Receptor Protein 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