

Datasheet for ABIN7550805
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:	Human
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 mammalian cells.
Sequence:	MTATPESLFP TGDELDSSQL QMESDEVDTL KEGEDPADRM HPFLAIYELQ SLKVHPLVFA PGVPVTAQVV GTERYTSQSK VGTCTLYSVR LTHGDFSWTT KKKYRHFQEL HRDLLRHKVL MSLLPLARFA VAYSPARDAG NREMPSPRA GPEGSTRHAA SKQKYLENYL NRLLTMSFYR NYHAMTEFLE VSQLSFIPDL GRKGLEGMIR KRSGGHRVPG LTCCGRDQVC YRWSKRWLTV KDSFLLYMCL ETGAISFVQL FDPGFEVQVG KRSTEARHGV RIDTSHRSLI LKCSSYRQAR WWAQEITELA QGPGRDFLQL HRHDSYAPPR PGTARWFFVN GAGYFAAVAD AILRAQEEIF ITDWWLSPEV YLKRPAHSDD WRDLMLKRRK AEEGVRSIL LFKEVELALG INSGYSKRAL MLLHPNIKVM RHPDQVTLWA HHEKLLVVDQ VVAFLGGLDL AYGRWDDLHY RLTDLGDSSE SAASQPPTPR PDSPATPDLN HNQFFWLKGD YSNLITKDWV QLDRPFEDFI DRETTPRMPW RDVGVVVHGL PARDLARHFI QRWNFTKTTK AKYKTPTYPY LLPKSTSTAN QLPFTLPGGQ CTTVQVLRVS DRWSAGTLEN SILNAYLHTI RESQHFLYIE NQFFISCSDG RTVLNKGVD

IVDRILKAHK QGWCYRVYVL LPLLPGFEGD ISTGGGNSIQ AILHFTYRTL CRGEYSILHR
LKAAMGTAWR DYISICGLRT HGELGGHPVS ELIYIHSKVL IADDRTVIIG SANINDRSL
GKRDELAVL IEDTETEPSL MNGAEYQAGR FALSRLKHCF GVILGANTRP DLDLRDPICD
DFFQLWQDMA ESNANIYEQI FRCLPSNATR SLRTLREYVA VEPLATVSPP LARSELTQVQ
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:	PLD2 (PLD2 Products)
Background:	Phospholipase D2 (PLD 2) (hPLD2) (EC 3.1.4.4) (Choline phosphatase 2) (PLD1C) (Phosphatidylcholine-hydrolyzing phospholipase D2),FUNCTION: Function as phospholipase selective for phosphatidylcholine (PubMed:9582313). May have a role in signal-induced cytoskeletal regulation and/or endocytosis (By similarity). {ECO:0000250 UniProtKB:P97813, ECO:0000269 PubMed:9582313}.

Target Details

Molecular Weight:	106.0 kDa
UniProt:	O14939
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