Datasheet for ABIN7561940

PLCH2 Protein (AA 1-1501) (His tag)

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Overview

Quantity:	1 mg
Target:	PLCH2 (PLCh2)
Protein Characteristics:	AA 1-1501
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLCH2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Plch2 Protein expressed in mammalian cells.
Sequence:	MGGLAWGPSR AAGSSWVNAS GTWEQPLRGF SGLQGGRRRG RGEKGIPEEP LCQLTPQLGL SLRVPFGLGD YGLDMPGPQP SAASQTTGAV ACLAEVLLWV GGSVVVSPRW QLSLVVERCM SAMQEGTQMV KLRGSSKGLV RFYYLDEHRS CLRWRPSRKN EKAKISIDSI QEVSEGRQSE IFQRYPDSSF DPNCCFSIYH GSHRESLDLV SPSSEEARTW VTGLRYLMAG ISDEDSLARR QRTRDQWLKQ TFDEADKNGD GSLSISEVLQ LLHKLNVNLP RQRVKQMFRE ADTDDHQGTL GFEEFCAFYK MMSTRRDLYL LMLTYSNHKD HLDASDLQRF LEVEQKMNGV TLESCQNIIE QFEPCLENKS KGMLGIDGFT NYTRSPAGDI FNPEHNRVHQ DMTQPLSHYF ITSSHNTYLV GDQLMSQSRV DMYAWVLQAG CRCVEVDCWD GPDGEPIVHH GYTLTSKILF KDVIETINKY AFIKNEYPVI LSIENHCSVV QQKKMAQYLT DILGDKLDLS SVSSEDATML PSPQMLKGKI LVKGKKLPAN ISEDAEEGEV SDEDSADEME DDCKLLNGDA STNRKRVENI AKKKLDSLIK ESKIRDCEDP NDFSVSTLSP SGKLGRKAEA KKGQSKVEED VEAGEDSGVS RQNSRLFMSS FSKRKKKGSK IKKVASVEEG DETLDSPGSQ SRGTARQKKT MKLSRALSDL VKYTKSVGTH

	DVEIEVVSSW QVSSFSETKA HQILQQKPTQ YLRFNQHQLS RIYPSSYRVD SSNYNPQPFW NAGCQMVALN YQSEGRMLQL NRAKFSANGD CGYVLKPQCM CQGVFNPNSE DPLPGQLKKQ LALRIISGQQ LPKPRDSVLG DRGEIIDPFV EVEVIGLPVD CSKEQTRVVD DNGFNPMWEE TLVFTVHMPE IALVRFLVWD HDPIGRDFIG QRTLAFSSIM PGYRHVYLEG MEEASIFVHV AVSDISGKVK QTLGLKGLFL RGTKPGSLDS HAAGQPLPRP SVSQRLLRRT ASAPTKSQKP SRKGFPELAL GTQDAGSEGA ADDVAPSSPN PALEAPTQER SGSSSPRDTR LFPLQRPISP LCSLEPIAEE PALGPGLPLQ AAAPTGPSQE GSQCPVGLGA KVTSSQQTSL GAFGTLQLRI GGGRENEEPP LRPHNGGISS GPREGTSGRQ TDSKSRSRVP GHLPVVRRAK SEGQVLSELS PTPAVYSDAT GTDRLWQRLE PGSHRDSVSS SSSMSSNDTV IDLSLPSLGL CRSRESIPGV SLGRLTSRPC LASAARPDLP PVTKSKSNPN LRVAGGLPTA PDELQPRPLA PRLTGHHPRP PWHHLTLVGL RDCPVSAKSK SLGDLTADDF APSFQGSTSS LSCGLGSLGV AHQVLEPGIR RDALTEQLRW LTGFQQAGDI TSPTSLGPAG DGSVGGPSFL RRSSSRSQSR VRAIASRARQ AQERQQRLRG QDSRGPPEEE RGTPEGACSV GHEGCVDVPM PAKGAPEQVC GAADGQLLLR L **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:	Key Benefits: • 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). 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	PLCH2 (PLCh2)
Alternative Name:	Plch2 (PLCh2 Products)
Background:	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase eta-2 (EC 3.1.4.11) (Phosphoinositide phospholipase C-eta-2) (Phosphoinositide phospholipase C-like 4) (PLC-L4) (Phospholipase C-like protein 4) (Phospholipase C-eta-2) (PLC-eta2),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. This phospholipase activity is very sensitive to calcium. May be important for formation and maintenance of the neuronal network in the postnatal brain. {ECO:0000269|PubMed:15899900, ECO:0000269|PubMed:16107206}.
Molecular Weight:	164.3 kDa
UniProt:	A2AP18

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