

Datasheet for ABIN7561991

Phospholipase C beta 2 Protein (AA 1-1181) (His tag)



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Overview

Quantity:	1 mg
Target:	Phospholipase C beta 2 (PLCb2)
Protein Characteristics:	AA 1-1181
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Phospholipase C beta 2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Plcb2 Protein expressed in mammalian cells.
Sequence:	MSLLNPVLLP PNVKAYLSQG ERFIKWDDDET SIASPVILRV DPKGYYLYWT YQNQEMEFLD VTSIRDTRFG KFAKIPKSQK LREVFNMDFP DNHFLLKTLT VVSGPDMVDL TFYNFVSYKE NVGKDWAEDV LALAKHPMTV NAPRSTFLDK ILVKLKMQLN PEGKIPVKNF FQMFPADRKR VEAALGACHL AKGKNDAINP EDFPESVYKS FLMSLCPRPE IDEIFTSYHS KAKPYMTKEH LTKFINQKQR DPRLNSLLFP PARPEQVQVL IDKYEPSGIN VQRGQLSPEG MVWFLCGPEN SVLAHDTLLI HQDMTQPLNH YFINSSHNTY LTAGQFSGLS SAEMYRQVLL SGCRCVELDC WKGKPPDEEP IITHGFTMTT DILFKEAIEA IAESAFTSP YPVILSFENH VDSPRQQAQM AEYCRSMFGE TLLTDPLENF PLKPGIPLPS PEDLRGKILI KNKKNQFSGP ASPSKKPGGV AEGSLPSSVP VEEDTGWTAE DRTEVEEEEV VEEEEEEESG NLDEEEIKKM QSDEGTAGLE VTAYEEMSSL VNYIQPTKFI SFESAQKNR SYVVSSFTEL KAYELLSKAS MQFVDYNKRQ MSRVYPKGTR MDSSNYMPQM FWNAGCQMQVA LNFQTMDLPM QQNMALFEFN GQSGYLLKHE

FMRRLDKQFN PFSVDRIDVV VATTLSITII SGQFLSERSV RTYVEVELFG LPGDPKRRYR
TKLSPTANSI NPVWKEEPFI FEKILMPELA SLRIAVMEEG SKFLGHRIIP INALHSGYHH
LCLRSESNMA LTMPALFVFL EMKDYIPDTW ADLTVALANP IKYFNAQDKK SVKLKGVGTGS
LPEKLFSGTP VASQSNAPV SAGNGSTAPG TKATGEEATK EVTEPQTASL EELRELKGVV
KLQRRHEKEL RELERRGARR WEELLQRGAA QLAEQTQAA GCKLRPGKGS RKKRTLPCEE
TVVAPSEPHD RADPRVQELK DRLEQELQQQ GEEQYRSVLK RKEQHVTEQI AKMMELAREK
QAAELKTFKE TSETDTKEMK KKLEAKRLER IQAMTKVTTD KVAQERLKRE INNSHIQEVV
QAVKQMTETL ERHQEKLEER QTACLEQIQA MEKQFQEKAL AEYEAKMKGL EAEVKESVRA
YFKDCFPTEA EDKPERSCA SEESCPQEPL VSKADTQESR 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.**

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.
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	Phospholipase C beta 2 (PLCb2)
Alternative Name:	Plcb2 (PLCb2 Products)
Background:	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2 (EC 3.1.4.11)

Target Details

	(Phosphoinositide phospholipase C-beta-2) (Phospholipase C-beta-2) (PLC-beta-2),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. {ECO:0000250 UniProtKB:Q00722}.
Molecular Weight:	134.5 kDa
UniProt:	A3KGF7
Pathways:	WNT Signaling , Thyroid Hormone Synthesis , CXCR4-mediated Signaling Events , G-protein mediated Events , Thromboxane A2 Receptor 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