

Datasheet for ABIN7554978

Phospholipase C beta 2 Protein (AA 1-1185) (His tag)



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Overview

Quantity:	1 mg
Target:	Phospholipase C beta 2 (PLCb2)
Protein Characteristics:	AA 1-1185
Origin:	Human
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 PKVKAYLSQG ERFIKWDDT TVASPVILRV DPKGYLYWT YQSKEMEFLD ITSIRDTRFG KFAKMPKSQK LRDVFNMDFP DNSFLLKTLT VVSGPDMVDL TFHNFVSYKE NVGKAWAEDV LALVKHPLTA NASRSTFLDK ILVKLKMQLN SEGKIPVKNF FQMFPADRKR VEAALSACHL PKGKNDAINP EDFPEPVYKS FLMSLCPRPE IDEIFTSYHA KAKPYMTKEH LTKFINQKQR DSRLNSLLFP PARPDQVQGL IDKYEPSGIN AQRGQLSPEG MVWFLCGPEN SVLAQDKLLL HHDMTQPLNH YFINSSHNTY LTAGQFSGLS SAEMYRQVLL SGCRCVELDC WKGKPPDEEP IITHGFTMTT DIFFKEAIEA IAESAFTKSP YPIILSFENH VDSRQQAQM AEYCRTIFGD MLLTEPLEKF PLKPGVPLPS PEDLRGKILI KNKKNQFSGP TSSSKDTGGE AEGSSPPSAP AGEQTVWAGE EGTELEEEV EEEEEESGN LDEEEIKMQ SDEGTAGLEV TAYEEMSSLV NYIQPTKFVS FEFSQKNRS YVISSFTELK AYDLLSKASV QFVDYNKRQM SRIYPKGTRM DSSNYMPQMF WNAGCQMVAL NFQTMDLPMQ QNMAVFEFNG QSGYLLKHEF

MRRPDKQFNP FSVDRIDVVV ATTLSITVIS GQFLSERSVR TYVEVELFGL PGDPKRRYRT
KLSPSTNSIN PVWKEEPFVF EKILMPELAS LRVAVMEEGN KFLGHRIPI NALNSGYHHL
CLHSESNMPL TMPALFIFLE MKDYIPGAWA DLTVALANPI KFFSAHDTKS VKLKEAMGGL
PEKPFPLASP VASQVNGALA PTSNGSPAAR AGAREEAMKE AAEPRTASLE ELRELKGVVK
LQRRHEKELR ELERRGARRW EELLQRGAAQ LAELGPPGVG GVGACKLGPG KGSRRKRSPL
REESAGAAPG EGPEGVDGRV RELKDRLELE LLRQGEEQYE CVLKRKEQHV AEQISKMMEL
AREKQAAELK ALKETSENDT KEMKKKLETK RLERIQGMTK VTDDKMAQER LKREINNSHI
QEVVQVIKQM TENLERHQEK LEEKQAACLE QIREMEKQFQ KEALAEYEAR MKGLEAEVKE
SVRACLRTCF PSEAKDKPER ACECPPELCE QDPLIAKADA QESRL **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
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Grade:	custom-made
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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:0000269 PubMed:1644792, ECO:0000269 PubMed:9188725}.
Molecular Weight:	134.0 kDa
UniProt:	Q00722
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