

Datasheet for ABIN7562514

PIK3C2G Protein (AA 1-1506) (His tag)



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Overview

Quantity:	1 mg
Target:	PIK3C2G
Protein Characteristics:	AA 1-1506
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIK3C2G protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Pik3c2g Protein expressed in mammalien cells.
Sequence:	MAYSWQTEPN RTEPQEDGSD TQQFHHTNQH LSSRQVRLGF DQLVEEINNKK TPLSESEKEE DTYFVPDAPN LGSKWPSIYE THPRYFSEFT SQSPDSSQLR FGKLSAIGFN PAVLPHTQLI HEGASWRNPS GKYHGIEYPR FDALPPSSTG QGECNPQQQS GTKHHNYCGE HEGNLPHHHS SYSIDSIPNR EKRRSGDVNL VEPSLEFSKD SFLPRTSENV SVESTPIGC PIEIVEVPQG SNKNLASFCN KVKKIRESYH ASDINSNSGK IWAITTAYPS RLFADTKFRV KISIDNSAQL LLLMPHANYL VKDLIAEILL LCA NEPLSPK EYLLSVC GSE EFLQMDHSLG SHKIFQKNKS VIQLHLQKNR DTPGKLSRKS EDDHSPFHLN QLLEFTHIWK ISRQCLSTVM KKYNLHVEHL LKPQKDMEEK HLSSMVSGNQ HTSQPHVNNV LEEVKNICSV LGCIETKQVS DAVKELNLIL QRPSQNFHQN SETSKKGFIE RVTAELRSI YQLIDVYC SS FCTDFQPVHT PGGVSHVHAG LQSHLSFTVC SLHNPETWA HSYKA FSFC WLTYAGKKLC QVKSCRPLPV TKSFSLLVNW NEIINFPLEI KSLPRESMLV IKLFGIDSAT HSTNLLAWTC LPLFPRQESV LGSRLFSVTL

QSEPIEMIA PGVWDGSQPS PLTLQIDFPD AGWEYLPES EENRTDHEEP PRECLKHIAK
LSQKKSPLLL SEEKRRYLWF YRLYCENNENS SLPLVLGSAP GWDEETVSEM HAILRRWTF
HPWEALGLLT SRFPDQDIRE VAVQQLDTLL TDELLDCLPQ LVQAVKFEWN LESPLVELLP
RRPLQSIRVA HCLYWLLRDA QGEAYFKSWY QELLAALQFC AGEALNEELS KEQKLVKLLG
DIGEKVSAS DPQRKDLKK EIGSLEEFFK DIKTCHLPLN PALCIKGIDR DACSYFTSNA
SPLKITFINA NPMGKNISVI FKAGDDLQD MLALQIIQVM DNAWLQEGLD MQMITYGCLS
TGRAQGFIE M VPDVTLAKI HLHSLGIGPL KENTIKKWFS QHNHLKEDYE KALRNFFYSC
AGWCVVTFIL GVCDRHNDNI MLTKSGHMFH IDFGKFLGHA QTFGGIKRDR APFIFTSEME
YFITEGGKNI QHFQDFVELC CRAYNIVRKH SQLILSLEM MLHAGLPELR GIEDLKYPVHN
NLRPQDLDLE ATSHFTKKIK ESLECFPVKL NNIHTLAQM PALSLAKPAP QTLLQESCIL
NKTRTIQRTV ILGFSKTHSN LYLMEVTCSD NRRSLTKKSF EQFYRLHSQM QKQFSSLALP
EFPWWHLPF TSDHKKRIRD LSHYVEQVLR GSYEVANSDC VLSFFLSEHI QPTLEDSPFV
DPGENSLDKS PKVQLLMTYE DSRLTILVKH LKNIHLPDGS VPSAHVEIYL LPHPSEVRRK
KTKCVPKCTD PTYNEIVVYD EVLGLQGHVL MLIVKSKTVF VGAVNIQLCS VPLNEEKWYP LGNSII

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

Target Details

Target:	PIK3C2G
Alternative Name:	Pik3c2g (PIK3C2G Products)
Background:	Phosphatidylinositol 3-kinase C2 domain-containing subunit gamma (PI3K-C2-gamma) (PtdIns-3-kinase C2 subunit gamma) (EC 2.7.1.137) (EC 2.7.1.154) (Phosphoinositide 3-kinase-C2-gamma),FUNCTION: Generates phosphatidylinositol 3-phosphate (PtdIns3P) and phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4)P2) that act as second messengers (PubMed:9514948). May play a role in SDF1A-stimulated chemotaxis. {ECO:0000269 PubMed:20536348, ECO:0000269 PubMed:9514948}.
Molecular Weight:	171.6 kDa
UniProt:	O70167
Pathways:	Inositol Metabolic Process

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