

Datasheet for ABIN7554823

PIK3C2B Protein (AA 1-1634) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PIK3C2B
Protein Characteristics:	AA 1-1634
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIK3C2B protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PIK3C2B Protein expressed in mammalian cells.
Sequence:	MSSTQGNGEH WKSLESVGIS RKELAMAEAL QMEYDALSRL RHDKEENRAK QNADPSLISW DEPGVDFYSK PAGRRTDLKL LRGLSGSDPT LNYNSLSPQE GPPNHSTSQG PQPGSDPWPWPK GSLSGDYLYI FDGSDGGVSS SPGPGDIEGS CKKLSPPPLP PRASIWDTPP LPPRKGSPSS SKISQPSDIN TFSLVEQLPG KLEHRILEE EEVLGGGGQG RLLGSVDYDG INDAILTRLNL KSTYDAEMLR DATRGWKEGR GPLDFSKDTS GKPVARSKTM PPQVPPRTYA SRYGNRKNAT PGKNRRISAA PVGSRPHTVA NGHELFEVSE ERDEEVAAFC HMLDILRSGS DIQDYFLTGY VWSAVTPSPE HLGDEVNLKV TVLCDRLQEA LTFTCNCSST VDLLIYQTLQ YTHDDLNRNVD VGDFVLKPCG LEEFLQNKHA LGSHEYIQC RKFDIDIRLQ LMEQKVVRSD LARTVNDDQS PSTLNYLVHL QERPVKQTIS RQALSLLFDT YHNEVDAFLL ADGDFPLKAD RVVQSVKAIC NALAAVETPE ITSALNQLPP CPSRMQPKIQ KDPSVLAVRE NREKVVEALT AAILDLVELY CNTFNADFQT AVPGSRKHDL VQEACHFARS LAFTVYATHR IPIIWATSYE DFYLSCSLSH

GGKELCSPLQ TRRAHFSKYL FHLIVWDQOI CFPVQVNRLP RETLLCATLY ALPIPPPGSS
SEANKQRRVP EALGWTTPL FNFRQVLT CG RKLLGLWPAT QENPSARWSA PNFHQPDSVI
LQIDFPTSAF DIKFTSPPGD KFSPRYEFGS LREEDQRKLK DIMQKESLYW LTDADKKRLW
EKRYCHSEV SSLPLVLASA PSWEWACL PD IYVLLKQWTH MNHQDALG LL HATFPDQEV
RMAVQWIGSL SDAELLDYLP QLVQALKYEC YLDSPLVRFL LKRAVSDLRV THYFFWLLKD
GLKDSQFSIR YQYLLAALLC CCGKGLREEF NRQCWL VNAL AKLAQQVREA APSARQGILR
TGLEEVKQFF ALNGSCLPL SPSLLVKGIV PRDCSYFNSN AVPLKLSFQN VDPLGENIRV
IFKCGDDL RQ DMLTLQMIRI MSKIWVQEGL DMRMVIFRCF STGRGRGMVE MIPNAETLRK
IQVEHGV TGS FKDRPLADWL QKHNPGEDEY EKA VENFIYS CAGCCVATYV LGICDRHNDN
IMLKT TG HMF HIDFGRFLGH AQMFGNIKRD RAPFVFTSDM A YVINGGDKP SSRFHDFVDL
CCQAYNLIRK HTHLFLNLLG LMLSCGIPEL SDLEDLKYVY DALRPQDTEA NATTYFTRLI
ESSLGSVATK LNFFIHNLAQ MKFTGSDDRL TLSFASRTH T LKSSGRISDV FLCRHEKIFH
PNKGYIYVVK VMRENTHEAT YIQRTEEFQ ELHNKLRL LF PSSHLPSFPS RFVIGRSRGE
AVAERRREEL NGYIWHLIHA PPEVAECDLV YTFHPLPRD EKAMGTSPAP KSSDGTWARP
VGKVGGEVKL SISYKNNKLF IMVMHIRGLQ LLQDGNPD P YVKIYLLPD QKTTKRKTKV
ARKTCNPTYN EMLVYDGIPK GDLQQRELQL SVLSEQGFW E NVLLGEVNIR LRELDLAQEK
TGW FALGSRS HGTL **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

Product Details

Grade: custom-made

Target Details

Target:	PIK3C2B
Alternative Name:	PIK3C2B (PIK3C2B Products)
Background:	Phosphatidylinositol 4-phosphate 3-kinase C2 domain-containing subunit beta (PI3K-C2-beta) (PtdIns-3-kinase C2 subunit beta) (EC 2.7.1.137) (EC 2.7.1.154) (C2-PI3K) (Phosphoinositide 3-kinase-C2-beta),FUNCTION: Phosphorylates PtdIns and PtdIns4P with a preference for PtdIns (PubMed:10805725, PubMed:9830063, PubMed:11533253). Does not phosphorylate PtdIns(4,5)P2 (PubMed:9830063). May be involved in EGF and PDGF signaling cascades (PubMed:10805725). {ECO:0000269 PubMed:10805725, ECO:0000269 PubMed:11533253, ECO:0000269 PubMed:9830063}.
Molecular Weight:	184.8 kDa
UniProt:	O00750
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