

Datasheet for ABIN7563846

PIK3R5 Protein (AA 1-871) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PIK3R5
Protein Characteristics:	AA 1-871
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIK3R5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Pik3r5 Protein expressed in mammalian cells.
Sequence:	MQPAATTCTE DRIQHALERC LHGLSLGRRS APWSAGLCLN CWSLQELVSR DPGHFLILLE QILQKTQEVQ EKGTYDLLAP LALLFYSTVL CTPHFPPDS LLLKAASYH CFLTWPVPYC SICREMLTFI DAELKAPGIS YQRLVRAEQG LPVRSHRSST VTVLLNPVE VQAEFLAVAD KLSTPGQSPH GTYTTLLHA FQATFGAHCD LPKLHRKLQS KTIEELEDIF TETTEAQELA SGIGDVAEAR EWLRTKLQAV GEKAGFPGIL DTASPGKLHT IPIPVARCYT YSWNQDSFDI LQEVLLKEQE LLQPGLGDD EEEEEEDLEM DRHCAERDSL LSTSSLVSHD STLLLTSSQA SEPVLSRQML TTFVSGLSDG MDSGYVEDSE ENSEWPQKPG SQKRQGHRRP GQKFNRFYKL LKSTSQVLRL RDSRSLESSV DPTLPLRRAG SLCSPDCPA QLPSRAQSR SLPQAKLTQ LPRWLLAPPS HHQRRRPFLS GDEDPKASTL RVVVGSDRI SGKVARAYSK LRRLETSHPI LTRFFKLQFF YVPVKRSHGT SPSACPSSLS QASPLPADSL KYPSPDLGM APWEDSTNDI SHYLGMLDPW YERNVLGLMH LPPEVLCQQS LKADSRPLEG SATQLPILAD MLLYYCRFAA

RPVLLQVYQT ELTFVTGEKT TEIFIQSLEL GHSATTRAIK ASGRGRKRLG IDDDREAVPL
TLQIIYSKGA ISGRSRWSNL EKVCTSVNLS KACQKPEELD SSMEALTLTL TEVVKRQNP
SKKGFNQIST SYIKVDKVQI IGSSSCPFAV CLDQDERKIL QSVVRCEVSP CYKPEKSSLP
PERSFSQPAE TGSDLCSLLC LPIMTFSGAL P

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:

PIK3R5

Alternative Name:

Pik3r5 ([PIK3R5 Products](#))

Background:

Phosphoinositide 3-kinase regulatory subunit 5 (PI3-kinase regulatory subunit 5) (PI3-kinase p101 subunit) (Phosphatidylinositol 4,5-bisphosphate 3-kinase regulatory subunit) (PtdIns-3-kinase regulatory subunit) (PtdIns-3-kinase p101) (p101-PI3K),FUNCTION: Regulatory subunit of the PI3K gamma complex. Required for recruitment of the catalytic subunit to the plasma membrane via interaction with beta-gamma G protein dimers. Required for G protein-mediated activation of PIK3CG (By similarity). {ECO:0000250}.

Target Details

Molecular Weight:	97.0 kDa
UniProt:	Q5SW28
Pathways:	PI3K-Akt Signaling , Inositol Metabolic Process , Hepatitis C , VEGF 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