

Datasheet for ABIN7554999

PIK3R6 Protein (AA 1-754) (His tag)



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Overview

Quantity:	1 mg
Target:	PIK3R6
Protein Characteristics:	AA 1-754
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIK3R6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PIK3R6 Protein expressed in mammalian cells.
Sequence:	<p>MESSDVLDL QRSVQAVLRE LSTQAPALQS NQGMWRWSLH KKVERDPGKS PVLVRILLRE</p> <p>LEKAESQDLR HVIIPLLHTV MYVLTKATGI TEELYQRIYA FCTRLTLPT PYCTVALDCA</p> <p>IRLKTEMAVP GTLYQRMVIA EQNLTNELYP YQERVFLFVD PELVSASVCS ALLLEIEAAQ</p> <p>AQQTPEFCMR HVVSHALQAA LGEACHAGAL HRKLQASPRR TLEHYFHAVV AALEQMASEA</p> <p>SPSREGHVER LEEIYCSLLG PAAGRCGGDL VQERPPSIPL PSPYITFHLW TGEEQLWKEL</p> <p>VLFLRPRSQL RLSADLEVLD LQGLRPDREL ARVSVLSTDS GIERDLPTGA DELPAGSPE</p> <p>MERAGLQRKG GIKKRAWPLD FLMPGSWDGP PGLHRRTGRP SGDGEMLPGV SRLHTARVLV</p> <p>LGDDRMLGRL AQAYHRLRKR ETQKFCLTPR LSLQLYYIPV LAPEKPAASR QPELGELATF</p> <p>LGRVDPWYQS NVNTLCPAIH KLAEMPPSLD TSRTVDPFIL DVITYYIRMG TQPIYFQIYT</p> <p>VKIFFSDLSQ DPTEDIFLIE LKVKIQDSKF PKDGFSPRRR GVAEGPGAEL SLCYQKALLS</p> <p>HRPREVTVSL RATGLILKAI PASDTEVSGS SHCPLPAAPV TDHTCLNVNV TEVVKSSNLA</p>

GKSFSTVTNT FRTNNIIQIS RDQRLLTSL DKDDQRTFRD VVRFEVAPCP EPCSGAQKSK
APWLNHLHGQQ EVEAIKAKPK PLLMPINTFS GIVQ **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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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:	PIK3R6
Alternative Name:	PIK3R6 (PIK3R6 Products)
Background:	<p>Phosphoinositide 3-kinase regulatory subunit 6 (Phosphoinositide 3-kinase gamma adapter protein of 87 kDa) (p84 PI3K adapter protein) (p84 PIKAP) (p87 PI3K adapter protein) (p87PIKAP),FUNCTION: Regulatory subunit of the PI3K gamma complex. Acts as an adapter to drive activation of PIK3CG by beta-gamma G protein dimers. The PIK3CG:PIK3R6 heterodimer is much less sensitive to beta-gamma G protein dimers than PIK3CG:PIK3R5 and its membrane recruitment and beta-gamma G protein dimer-dependent activation requires HRAS bound to PIK3CG. Recruits of the PI3K gamma complex to a PDE3B:RAPGEF3 signaling complex involved in angiogenesis, signaling seems to involve RRAS. {ECO:0000269 PubMed:21393242}.</p>

Target Details

Molecular Weight:	84.3 kDa
UniProt:	Q5UE93
Pathways:	PI3K-Akt Signaling , 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