

Datasheet for ABIN7565032

PIK3AP1 Protein (AA 1-811) (His tag)



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Overview

Quantity:	1 mg
Target:	PIK3AP1
Protein Characteristics:	AA 1-811
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PIK3AP1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Pik3ap1 Protein expressed in mammalien cells.
Sequence:	MAASGWGRGC DILIFYSPDA EEWCQYLQDL FVSCRQVRSQ KTQTYRLVPD ASFSAQDLWV FRDARCVLVL LSAGLVGCFG QPGLLPMLQR ACHPPQRVVR LLCGVQPGDE DFQAFFPDWA HWQEMTCDDE PETYLA AVRK AISED SGCD S VTDTEPEDER ELPSKQTNL PPEISPGNLM VVQPDRIRCG AETTVYIIVR CKLDEKVSTE AEFSPEDSPS IRVEGTLENE YTVSVKAPDL SSGNVSLKVY SGDLVVCETT VSYTDMEEI GNLLSSAANP VEFMCQAFKI VPYNTETLDK LLTESLKNNI PASGLHLFGI NQLEEDDMMT NQRDEELPTL LHFAAKYGLK NLTALLTCTP GALQAYSVAN KHGHYPNTIA EKHGFRDLRQ FIDEYVETVD MLKTHIKEEL MQGEEADDVY ESMAHLSTD L LMKCSLNPGC DDELYESMAA FAPAATEDLY VEMLQASAGN PVSGESFSRP TKDSMIRKFL EGN SVKPASW EREQHHPYGE ELYHIVDEDE TFSVDLANRP PVPVPRPEAS APGPPPPPDN EPYISKVFAE KSQERLGNFY VSSESIRKEP LVRPWRDRPP SSIYDPFAGM KTPGQRQLIT LQEQVKLGIV NVDEAVLHFK EWQLNQKKRS ESFRFQQENL KRLRESITRR

RKEKPKSGKH TDLEITVPIR HSQHLPEKVE FGVYESGPRK SVLPARTEL RGDWKTD SMS
STASSTSNRS STRSLLSVSS GMEGDNEDNE IPEITRSRGP GPTQVDGAPV VTGTPVGTLE
RPPRVPPRAA SQRPLTRESF HPPPPVPPRG R **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
Grade:	custom-made

Target Details

Target:	PIK3AP1
Alternative Name:	Pik3ap1 (PIK3AP1 Products)
Background:	<p>Phosphoinositide 3-kinase adapter protein 1 (B-cell adapter for phosphoinositide 3-kinase) (B-cell phosphoinositide 3-kinase adapter protein 1),FUNCTION: Signaling adapter that contributes to B-cell development by linking B-cell receptor (BCR) signaling to the phosphoinositide 3-kinase (PI3K)-Akt signaling pathway. Has a complementary role to the BCR coreceptor CD19, coupling BCR and PI3K activation by providing a docking site for the PI3K subunit PIK3R1. Alternatively, links Toll-like receptor (TLR) signaling to PI3K activation, a process preventing excessive inflammatory cytokine production. Also involved in the activation of PI3K in natural</p>

Target Details

	killer cells. May be involved in the survival of mature B-cells via activation of REL. {ECO:0000269 PubMed:11781242, ECO:0000269 PubMed:11877477, ECO:0000269 PubMed:12833156, ECO:0000269 PubMed:18025150, ECO:0000269 PubMed:18337558, ECO:0000269 PubMed:22187458, ECO:0000269 PubMed:22187460}.
Molecular Weight:	90.9 kDa
UniProt:	Q9EQ32
Pathways:	Activation of Innate immune Response , BCR Signaling , Warburg Effect

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