

Product datasheet for PH314125

PIK3AP1 (NM_152309) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PIK3AP1 MS Standard C13 and N15-labeled recombinant protein (NP_689522)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214125
Predicted MW:	90.2 kDa
Protein Sequence:	>RC214125 representing NM_152309 Red=Cloning site Green=Tags(s)

MAASGVPRGCDILIVYSPDAEEWCQYLQTLFLSSRQVRSQKILTHRLGPEASFAEDLSLFLSTRCVVVL
LSAELVQHFHKPSLLPLLQRAFHPHRVRLLCGVRDSEEFDFFPDWAHWQELTCDDPEPTYVAAVKKA
ISEDSGCDSVTDTEPEDEKVVSYSKQQLPTVTSFGNLMVVQPDRIKCGAETTVYVIVRCKLDDRVATEA
EFSPEDESPSVRMEAKVENEYTVSVKAPNLSGNSVSLKIYSGDLVVCETVISYYTDMEEIGNLLSNAANPV
EFMCQAFKIVPYNTETLDKLLTESLKNNIPASGLHLFGINQLEEDMMTNQRDEELPTLLHFAAKYGLKN
LTALLLTCPGALQAYSVANKHGHYPNTIAEKHGFRLRQFIDEYVETVDMMLKSHIKEELMHGEEADAVYE
SMAHLSTDLLMKCSLNPDCDEDLYESMAAFVPAATEDLYVEMLQASTSNPDPGDFSRATKDSMIRKFL
GNSMGMTNLERDQCHLGQEEDEVYHTVDDDEAFSVDLASRPPVPPRPETTAPGAHQLPDNEPIFKVFAE
KSQERPGNFYVSSSIRKGPVVRPWRDRPQSSYDPFAGMKTGPQRQLITLQEQVKLGIVNVDEAVLHFK
EWQLNQKRSSEFRFQQENLKRLRDSITRRQREKQKSGKQTDLEITVPIRHSQHLPAKVEFGVYVESGPRK
SVIPRTELRRGDWKTSTSSASSTSNRSSTRSLLSVSSGMEGDNEVPEVTRSRSPGPPQVDGTPT
MSLERPPRVPPRAASQRPPTRETFHPPPPVPPRGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_689522



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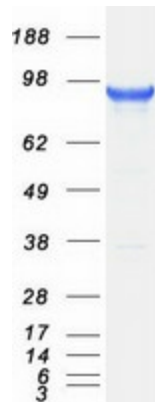
RefSeq Size:	4817
RefSeq ORF:	2415
Synonyms:	BCAP
Locus ID:	118788
UniProt ID:	Q6ZUJ8 , Q86YV3
Cytogenetics:	10q24.1

Summary: 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 killer cells. May be involved in the survival of mature B-cells via activation of REL.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Protein Pathways: B cell receptor signaling pathway

Product images:



Coomassie blue staining of purified PIK3AP1 protein (Cat# [TP314125]). The protein was produced from HEK293T cells transfected with PIK3AP1 cDNA clone (Cat# [RC214125]) using MegaTran 2.0 (Cat# [TT210002]).