

Recombinant Human PIK3AP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PIK3AP1-4758H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PIK3AP1 MS Standard C13 and N15-labeled recombinant protein (NP_689522) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	90.2 kDa
AA Sequence	MAASGVPRGCDILIVYSPDAEEWCQYLQTLFLSSRQVRSQKILTHRLGPEASFS AEDLSLFLSTRCVVLLSAELVQHFHKPSLLPLLQRAFHPPHRVVRLLCGVRDSEEF LDFFPDWAHWQELTCDDPEPTYVAAVKKAISED SGCDSVTDTEPEDEKVVSY SKQQNLPTVTSPGNLMVVQPDRIRCGAETTVYVIVRCKLDDRVAEAEFSPED SPSVRMEAKVE NEYTISVKAPNLSSGNVSLKIYSGDLVVCETVISYYTDMEEI GNLLSNAANPVEFMCQ AFKIVPYNTETLDKLLTESLKNNIPASGLHLFGINQLE EEDMMTNQRDEELPTLLHFAA

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KYGLKNLTALLTCTPGALQAYSVANKHGHYPNTIAEKHGFRLRQFIDEYVETVDML
 KSHIKEELMHGEEADAVYESMAHLSTDLLMKCSLNPGCDEDLYESMAAFVPAATED
 LYVEMLQASTSNPIPGDGFSRATKDSMIRKFLEGNSMGMTNLERDQCHLGQEEDVY
 HTVDDDEAFSVDLASRPPVPVPRPETTAPGAHQLPDNEPYIFKVFAEKSQERPGNF
 YVSSSESIRKGPPVRPWRDRPQSSIYDPFAGMKTPGQRQLITLQEYVKGIVNVDEAV
 LHFKEWQLNQKKRSESRFQQENLKRLRDSITRRQREKQKSGKQTDLEITVPIRHSQ
 HLPKVEFGVYESGPRKSVIPRTELRRGDWKTDSSTASSTSNRSSTRSLLSVSS
 GMEGDNEDNEVPEVTRSRSPGPPQVDGTPTMSLERPPRVPPRAASQRPPTRETFH
 PPPVPVPRGRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PIK3AP1 phosphoinositide-3-kinase adaptor protein 1 [Homo sapiens (human)]

Official Symbol PIK3AP1

Synonyms PIK3AP1; phosphoinositide-3-kinase adaptor protein 1; phosphoinositide 3-kinase adapter protein 1; BCAP; FLJ35564; B cell adaptor protein; B-cell adapter for phosphoinositide 3-kinase; B-cell phosphoinositide 3-kinase adapter protein 1; RP11-34E5.3;

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Gene ID	118788
mRNA Refseq	NM_152309
Protein Refseq	NP_689522
MIM	607942
UniProt ID	Q6ZUJ8
SDS-PAGE	