

Recombinant Mouse Pik3ap1 Protein, Myc/DDK-tagged

Cat. No. Pik3ap1-4861M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phosphoinositide-3-kinase adaptor protein 1 (Pik3ap1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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	91.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Pik3ap1 phosphoinositide-3-kinase adaptor protein 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Pik3ap1](#)

Synonyms PIK3AP1; phosphoinositide-3-kinase adaptor protein 1; phosphoinositide 3-kinase adapter protein 1; B cell phosphoinositide 3-kinase adaptor; B-cell adapter for phosphoinositide 3-kinase; B-cell phosphoinositide 3-kinase adapter protein 1; BCAP; 1810044J04Rik

Gene ID [83490](#)

mRNA Refseq [NM_031376](#)

Protein Refseq [NP_113553](#)

UniProt ID [Q9EQ32](#)

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