

Recombinant Mouse Pik3ca & Pik3r1 protein, His-tagged

Cat. No. Pik3ca & Pik3r1-1079M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pik3ca & Pik3r1 fused with GST tag at N-terminal was expressed in Insect cells.
Species	Mouse
Source	Insect Cells
ProteinLength	Full Length
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~111 kDa (p110α), ~86 kDa (p85α)
Purity	>90 %
Applications	Kinase Assay, Western Blot
Stability	1 yr at -70 centigrade from date of shipment
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.1 ug/ul

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Shipping

Product shipped on dry ice

GENE INFORMATION
Gene Name

Pik3ca phosphatidylinositol 3-kinase, catalytic, alpha polypeptide [Mus musculus]

Official Symbol

Pik3ca

Synonyms

PIK3CA; phosphatidylinositol 3-kinase, catalytic, alpha polypeptide; phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha isoform; PI3Kalpha; PI3K-alpha; PI3-kinase subunit alpha; ptdIns-3-kinase subunit alpha; ptdIns-3-kinase subunit p110-alpha; serine/threonine protein kinase PIK3CA; phosphoinositide-3-kinase catalytic alpha polypeptide; phosphatidylinositol-4,5-bisphosphate 3-kinase 110 kDa catalytic subunit alpha; p110; caPI3K; p110alpha; 6330412C24Rik; MGC161268;

Gene ID

18706

mRNA Refseq

NM_008839

Protein Refseq

NP_032865

MIM
UniProt ID

P42337

Chromosome Location

3 15.7 cM; 3 B

Pathway

3-phosphoinositide biosynthesis, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Aldosterone-

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regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem;

Function

1-phosphatidylinositol-3-kinase activity; 1-phosphatidylinositol-3-kinase activity; ATP binding; binding; insulin receptor substrate binding; kinase activity; nucleotide binding; phosphatidylinositol 3-kinase activity; phosphatidylinositol-4,5-bisphosphat

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