Recombinant Mouse Pik3ca & Pik3r1 protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Pik3ca & Pik3r1 fussed 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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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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