

Recombinant Human PIK3CA protein, Flag-tagged, Biotinylated

Cat. No. PIK3CA-70H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PIK3CA[1-1068(end) amino acids of accession number NP_006209.2] was coexpressed as N-terminal DYKDDDDK tagged, biotinylated protein (128 kDa) with PIK3R1[1-724(end) amino acids of accession number NP_852664.1] in insect cell and biotinyl
Species	Human
Source	Insect Cells
ProteinLength	1-1068;1-724 a.a.
Form	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Molecular Mass	128 kDa
Purity	>90% as determined by SDS-PAGE and CBB staining
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Conjugation	Biotin

GENE INFORMATION

Gene Name	PIK3CA phosphoinositide-3-kinase, catalytic, alpha polypeptide [Homo sapiens]
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Official Symbol	PIK3CA
Synonyms	PIK3CA; PI3K; PI3K-alpha; PI3-kinase p110 subunit alpha; ptdIns-3-kinase subunit p110-alpha; serine/threonine protein kinase PIK3CA; p110-alpha; MGC142161; MGC142163;
Gene ID	5290
mRNA Refseq	NM_006218
Protein Refseq	NP_006209
MIM	171834
UniProt ID	P42336
Chromosome Location	3q26.3
Pathway	3-phosphoinositide biosynthesis, organism-specific biosystem; 3-phosphoinositide biosynthesis, conserved biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem;
Function	1-phosphatidylinositol-3-kinase activity; ATP binding; insulin receptor substrate binding; nucleotide binding; phosphatidylinositol 3-kinase activity; phosphatidylinositol-4,5-bisphosphate 3-kinase activity; phosphotransferase activity, alcohol group as acceptor; protein binding; protein kinase activator activity; protein serine/threonine kinase activity;

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