Recombinant Human PIK3CD

Cat. No. PIK3CD-29587TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Recombinant full length PI 3 Kinase p110 delta derived from Sf9 insect cells with tag, 120 kDa. The p85 alpha chain is 84 kDa.
Species	Human
Description	Phosphoinositide 3-kinases (PI3Ks) phosphorylate inositol lipids and are involved in the immune response. The protein encoded by this gene is a class I PI3K found primarily in leukocytes. Like other class I PI3Ks (p110-alpha p110-beta, and p110-gamma), the encoded protein binds p85 adapter proteins and GTP-bound RAS. However, unlike the other class I PI3Ks, this protein phosphorylates itself, not p85 protein.
Tissue specificity	Expressed predominantly in leukocytes.
Biological activity	Activity: 3 nmol/mg/min using phosphatidylinositol as the substrate.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 50% Glycerol, 50mM Sodium chloride, 25mM Tris, 0.5mM Magnesium chloride, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequence Similarities	Belongs to the PI3/PI4-kinase family.Contains 1 PI3K/PI4K domain.
Full Length	Full L.

GENE INFORMATION

Gene Name	PIK3CD phosphoinositide-3-kinase, catalytic, delta polypeptide [Homo sapiens]
Official Symbol	PIK3CD
Synonyms	PIK3CD; phosphoinositide-3-kinase, catalytic, delta polypeptide; phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta isoform; p110D; phosphatidylinositol 3 kinase; catalytic; delta polypeptide; phosphoinositide 3 kinase C;
Gene ID	5293
mRNA Refseq	NM_005026
Protein Refseq	NP_005017
MIM	602839
Uniprot ID	O00329
Chromosome Location	1p36.2
Pathway	3-phosphoinositide biosynthesis, conserved biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem;

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Function	1-phosphatidylinositol-3-kinase activity; 1-phosphatidylinositol-3-kinase activity; ATP binding; binding; kinase activity;

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