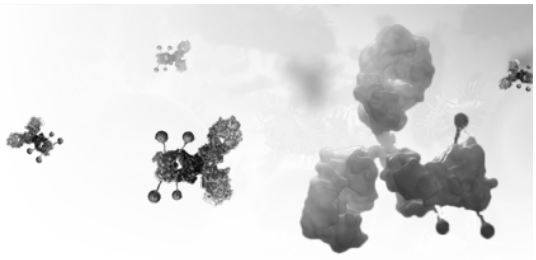

Human PIK3CD peptide (DAG-P0022)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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.[provided by RefSeq, Jul 2010]
Specificity	Expressed predominantly in leukocytes.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the PI3/PI4-kinase family.Contains 1 PI3K/PI4K domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PIK3CD phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta [Homo sapiens (human)]
Official Symbol	PIK3CD
Synonyms	PIK3CD; phosphatidylinositol-4,5-bisphosphate 3-kinase, catalytic subunit delta; APDS; PI3K; IMD14; p110D; P110DELTA; phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit delta isoform; PI3Kdelta; phosphoinositide-3-kinase C; PI3-kinase p110 subunit delta; ptdIns-3-

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	kinase subunit p110-delta; phosphoinositide-3-kinase, catalytic, delta polypeptide variant p37delta; phosphatidylinositol-4,5-bisphosphate 3-kinase 110 kDa catalytic subunit delta; phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta isoform;
Entrez Gene ID	5293
mRNA Refseq	NM_005026.3
Protein Refseq	NP_005017.3
UniProt ID	A7E2E0
Chromosome Location	1p36.2
Pathway	3-phosphoinositide biosynthesis, organism-specific biosystem; 3-phosphoinositide biosynthesis, conserved biosystem; AMPK signaling, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Adrenergic signaling in cardiomyocytes, organism-specific biosystem; Adrenergic signaling in cardiomyocytes, conserved biosystem; Aldosterone-regulated sodium reabsorption, organism-specif
Function	1-phosphatidylinositol-3-kinase activity; 1-phosphatidylinositol-4-phosphate 3-kinase activity; ATP binding; phosphatidylinositol 3-kinase activity; phosphatidylinositol-4,5-bisphosphate 3-kinase activity; protein binding;

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