

Recombinant Human PIK3CD protein, His & T7-tagged

Cat. No. PIK3CD-1727H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PIK3CD aa. (Val774~Gln1044 (Accession # O00329)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val774~Gln1044
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	8.7
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; PI3-kinase p110 subunit delta; PI3Kdelta; phosphatidylinositol-4,5-bisphosphate 3-kinase 110 kDa catalytic subunit delta; phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta isoform; phosphoinositide-3-kinase C; phosphoinositide-3-kinase, catalytic, delta polypeptide variant p37delta; ptdIns-3-kinase subunit p110-delta
Gene ID	5293

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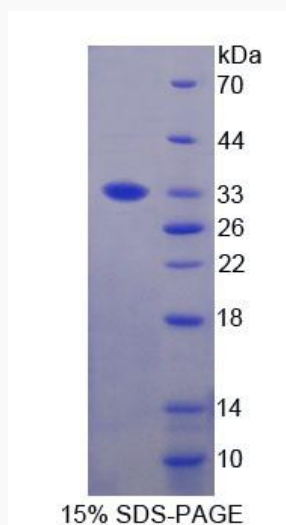
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mRNA Refseq NM_005026.4

Protein Refseq NP_005017.3

UniProt ID O00329

SDS-PAGE



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