

## Recombinant Human PIK3CD protein, His & T7-tagged

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

### SPECIFICATION

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

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<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
<b>Reconstitution</b>	Reconstitute in sterile ddH <sub>2</sub> O.
<b>Isoelectric Point</b>	8.7
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	PIK3CD phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta [ Homo sapiens (human) ]
<b>Official Symbol</b>	PIK3CD
<b>Synonyms</b>	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
<b>Gene ID</b>	5293

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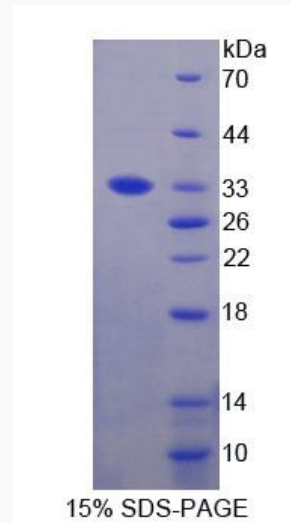
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mRNA Refseq [NM\\_005026.4](#)

Protein Refseq [NP\\_005017.3](#)

UniProt ID [O00329](#)

**SDS-PAGE**



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