

## Recombinant Human PIK3CD protein, His-tagged

**Cat. No.** PIK3CD-8555H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PIK3CD protein(395-580 aa), fused with N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E. coli
<b>ProteinLength</b>	395-580 aa
<b>Form</b>	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
<b>AASequence</b>	YAVIEKAKKARSTKKKSKKADCPiAWANLMLFDYKDQLKTGERCLYMWPSVPDEKG ELLNPTGTVRSNPNTDSAAALLICLPEVAPHPVYYPALKILELGRHSECVHVTEEEQ LQLREILERRGSGELYEHEKDLVWKL RHEVQEHFPEALARLLLVTKW NKHEDVAQM LYLLCSWPELPVLSAL
<b>Purity</b>	85%, by SDS-PAGE.
<b>Storage</b>	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## 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; PI3Kdelta; phosphoinositide-3-kinase C; PI3-kinase p110 subunit delta; ptdlns-3-kinase subunit p110-delta; phosphoinositide-3-kinase, catalytic, delta polypeptide variant p37delta; phosphatidylinositol-4,5-bisphosphate 3-kinase 110 kDa catalytic subunit delta; PI3K; P110DELTA;

**mRNA Refseq** [NM\\_005026](#)

**Protein Refseq** [NP\\_005017](#)

**MIM** [602839](#)

**UniProt ID** [O00329](#)

**Gene ID** [5293](#)

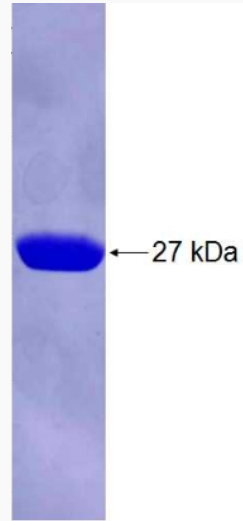
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SDS-PAGE



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