

## Recombinant human PIK3CD protein, His

Catalog Number: bs-42219P

Concentration: >1mg/ml

Species: Human

AA Seq: 395-624/1044

Predicted MW: 30 kDa

Tags: N-His+C-His

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Form: Lyophilized or Liquid

Storage: 20mM Tris-HCl (pH8.0) with 8M Urea.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

**Background:** PI3-Kinases (PI3-Ks) are a family of lipid kinases that are implicated in signal transduction. PI3-K consists of two subunits; p85 and p110. The p85 subunit localizes PI3-K activity to the plasma membrane while the p110 subunit contains the catalytic domain of PI3-K. Four isoforms of p110 have been found; the alpha, beta, gamma, and the delta subunit. The delta isoform is predominantly expressed in leukocytes and has been shown to interact with p85 and GTP-bound Ras via its SH2/SH3 domain.

### VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.