

Recombinant Human Human PIK3CB, His-tagged

Cat. No. PIK3CB-31766TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PIK3CB with N-terminal His tag and recombinant full length Human PIK3R1, untagged, co expressed in a Baculovirus infected Sf9 cell expression system, 124 kDa, and 83kDa respectively.
Species	Human
Description	Phosphoinositide 3-kinases (PI3Ks) phosphorylate the 3-prime OH position of the inositol ring of inositol lipids. They have been implicated as participants in signaling pathways regulating cell growth by virtue of their activation in response to various mitogenic stimuli. PI3Ks are composed of a 110-kD catalytic subunit, such as PIK3CB, and an 85-kD adaptor subunit (Hu et al.
Conjugation	HIS
Biological activity	Specific Activity: 7.9 pmol/min/μg. A 50 μl kinase reaction is conducted in a buffer containing 10 mM Tris-HCl (pH 7.5), 50 mM NaCl, 5 mM MgCl ₂ , 5 μM ATP, 17 μg Phosphoinositol-4,5-Bisphosphate, and 150 ng enzyme for 90 minutes at room temperature.
Form	Liquid
Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 8
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Full Length
Full L.

GENE INFORMATION

Gene Name [PIK3CB phosphoinositide-3-kinase, catalytic, beta polypeptide \[Homo sapiens \]](#)

Official Symbol [PIK3CB](#)

Synonyms PIK3CB; phosphoinositide-3-kinase, catalytic, beta polypeptide; PIK3C1; phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta isoform;

Gene ID [5291](#)

mRNA Refseq [NM_006219](#)

Protein Refseq [NP_006210](#)

MIM [602925](#)

Uniprot ID [P42338](#)

Chromosome Location 3q21-qter

Pathway 3-phosphoinositide biosynthesis, conserved biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem;

Function 1-phosphatidylinositol-3-kinase activity; ATP binding; binding; insulin receptor substrate binding; kinase activity;

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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