

Recombinant Human Human PIK3CB, His-tagged

Cat. No. PIK3CB-31095TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human PIK3CB and PIK3R1 were co-expressed by baculovirus in Sf9 insect cells using an N-terminal His tag on both proteins, MWt 111 and 86kDa 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	The Specific activity of PIK3CB-31095TH was determined to be 16.3 nmol/min/mg.
Form	Liquid
Storage buffer	Preservative: 150mM Imidazole Constituents: 25% Glycerol, 50mM Sodium phosphate, 300mM Sodium chloride, 2mM DTT, 0.1mM PMSF, pH 7.0
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

GENE INFORMATION

 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

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;

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