

Recombinant Human PIK3CB protein, His-tagged

Cat. No. PIK3CB-1724H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PIK3CB aa. (Ala524~Val703 (Accession # P42338)) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala524~Val703
Description	This gene encodes an isoform of the catalytic subunit of phosphoinositide 3-kinase (PI3K). These kinases are important in signaling pathways involving receptors on the outer membrane of eukaryotic cells and are named for their catalytic subunit. The encoded protein is the catalytic subunit for PI3Kbeta (PI3KB). PI3KB has been shown to be part of the activation pathway in neutrophils which have bound immune complexes at sites of injury or infection. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	25kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH 7.4, containing 5% sucrose.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6.2
GENE INFORMATION	
Gene Name	PIK3CB phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta [Homo sapiens (human)]
Official Symbol	PIK3CB
Synonyms	PIK3CB; phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit beta; PI3K; PIK3C1; P110BETA; PI3KBETA; phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta isoform; PI3-kinase p110 subunit beta; PI3-kinase subunit beta; PI3K-beta; PtdIns-3-kinase p110; phosphatidylinositol 4,5-bisphosphate 3-kinase 110 kDa catalytic subunit beta; phosphoinositide-3-kinase, catalytic, beta polypeptide; ptdIns-3-kinase subunit beta; ptdIns-3-kinase subunit p110-beta
Gene ID	5291

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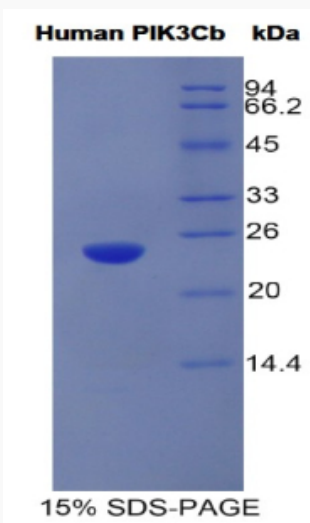
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mRNA Refseq [NM_006219.2](#)

Protein Refseq [NP_006210.1](#)

UniProt ID [P42338](#)

SDS-PAGE



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