

Recombinant Human PIK3CB protein, His-tagged

Cat. No. PIK3CB-3991H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PIK3CB protein(139-373 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	139-373 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	SLKDPEVNEFRRKMRKFSEEKILSLVGLSWMDWLKQTYPPPEHEPSIPENLEDKLYG GKLIVAVHFENCQDVFSFQVSPNMNPIKVNELAIQKRLTIHGKEDEVSPYDYVLQVSG RVEYVFGDHPLIQFYIRNCVMNRALPHFILVECKIKKMYEQEMIAIEAAINRNSSNL PLPLPPKKTRIISHVWENNNPFQIVLVKGNKLNTEETVKVHVVRAGLFHGTLLCKTIVS SEV
Purity	90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

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Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.
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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; PI3K-beta; PtdIns-3-kinase p110; PI3-kinase subunit beta; PI3-kinase p110 subunit beta; ptdIns-3-kinase subunit beta; ptdIns-3-kinase subunit p110-beta; phosphatidylinositol-4,5-bisphosphate 3-kinase 110 kDa catalytic subunit beta; PI3K; P110BETA; PI3KBETA; MGC133043; DKFZp779K1237;
Gene ID	5291
mRNA Refseq	NM_001256045
Protein Refseq	NP_001242974
MIM	602925
UniProt ID	P42338

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