

Active Recombinant Full Length Human PIK3CA Protein, DDK-tagged, Biotinylated

Cat. No. PIK3CA-2941HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Full-length human PIK3CA[1-1068(end) amino acids and E545K of accession number NP_006209.2] was co-expressed as N-terminal DYKDDDDK tagged, biotinylated protein (128 kDa) with PIK3R1[1-724(end) amino acids of accession number NP_852664.1] using baculovirus expression system. The protein was purified by using DYKDDDDK tag antibody agarose.
Species	Human
Source	Sf21 Cells
ProteinLength	1-1068(end)
Form	50 mM Tris-HCl, 150 mM NaCl, 0.01% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Bio-activity	The activity was determined by ADP-Glo™ Assay. The enzyme was incubated with Lipid substrate and Mg(or Mn)/ATP. The phosphorylation was detected by the ADP-Glo™ Kinase Assay technology (luminescent ADP detection assay).
Purity	94%
Applications	SDS-PAGE
Storage	Store at -80C. Avoid repeating freeze-thaws.

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

Conjugation Biotin

GENE INFORMATION

Gene Name phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit alpha

Official Symbol PIK3CA

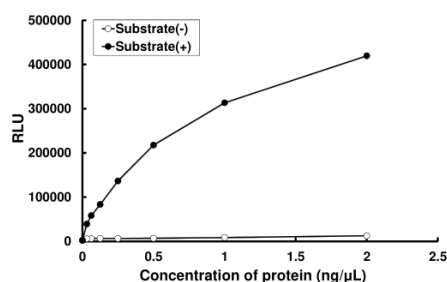
Synonyms PIK3CA;CLAPO;CLOVE;CWS5;MCAP;MCM;MCMTC;PI3K;PI3K-alpha;p110-alpha

Protein Refseq [NP_006209.2](#)

UniProt ID [P42336](#)

Activity data

Activity data



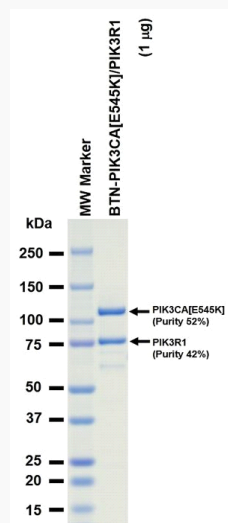
The activity was determined by ADP-Glo™ Assay. The enzyme was incubated with Lipid substrate and Mg(or Mn)/ATP. The phosphorylation was detected by the ADP-Glo™ Kinase Assay technology (luminescent ADP detection assay).

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SDS-PAGE



The purity was assessed by SDS-PAGE/CBB staining.

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