

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

Cat. No. PIK3CA-8555HF    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Full-length human PIK3CA[1-1068(end) amino acids and H1047R 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(84kDa) of accession number NP_852664.1] using baculovirus expression system. The protein was purified by using DYKDDDDK tag antibody agarose. |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>           | Sf21 Cells                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-1068(end)                                                                                                                                                                                                                                                                                                                                                   |
| <b>Form</b>             | 50 mM Tris-HCl, 150 mM NaCl, 0.01% Brij35, 1 mM DTT, 10% glycerol, pH7.5                                                                                                                                                                                                                                                                                      |
| <b>Bio-activity</b>     | 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).                                                                                                                                   |
| <b>Purity</b>           | 81%                                                                                                                                                                                                                                                                                                                                                           |
| <b>Applications</b>     | SDS-PAGE                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>          | Store at -80C. Avoid repeating freeze-thaws.                                                                                                                                                                                                                                                                                                                  |

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**Conjugation** Biotin

## GENE INFORMATION

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

**Official Symbol** PIK3CA

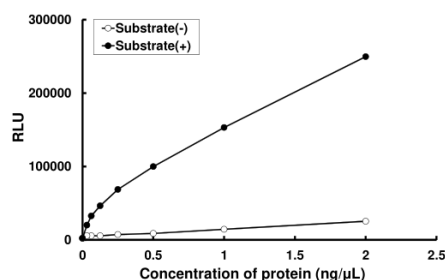
**Synonyms** PIK3CA;CLAPO;CLOVE;CWS5;MCAP;MCM;MCMTC;PI3K;PI3K-alpha;p110-alpha

**Protein Refseq** [NP\\_006209.2](#)

**UniProt ID** [P42336](#)

### Activity data

Activity data



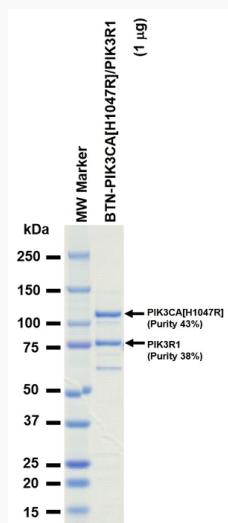
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## SDS-PAGE



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

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