

Recombinant Human PIK3R1 Protein, His-tagged

Cat. No. PIK3R1-4934H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PI3K (p85alpha) was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.
Species	Human
Source	Insect cells
Description	Phosphatidylinositol 3-kinase phosphorylates the inositol ring of phosphatidylinositol at the 3-prime position. The enzyme comprises a 110 kD catalytic subunit and a regulatory subunit of either 85, 55, or 50 kD. This gene encodes the 85 kD regulatory subunit. Phosphatidylinositol 3-kinase plays an important role in the metabolic actions of insulin, and a mutation in this gene has been associated with insulin resistance. Alternative splicing of this gene results in four transcript variants encoding different isoforms.
Molecular Mass	~86 kDa
Purity	> 95%
Applications	Kinase Assay, Western Blot
Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most

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favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Concentration 0.2 µg/µL

Storage Buffer Recombinate protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0,1mM PMSF, 0,25mM DTT, 25% glycerol.

GENE INFORMATION

Gene Name [PIK3R1 phosphoinositide-3-kinase regulatory subunit 1 \[Homo sapiens \(human\) \]](#)

Official Symbol [PIK3R1](#)

Synonyms p85; AGM7; GRB1; IMD36; p85-ALPHA; PIK3R1; phosphoinositide-3-kinase regulatory subunit 1; phosphatidylinositol 3-kinase regulatory subunit alpha; PI3-kinase subunit p85-alpha; PI3K regulatory subunit alpha; phosphatidylinositol 3-kinase 85 kDa regulatory subunit alpha; phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1 (p85 alpha); phosphatidylinositol 3-kinase-associated p-85 alpha; phosphoinositide-3-kinase regulatory subunit alpha; phosphoinositide-3-kinase, regulatory subunit 1 (alpha); ptdIns-3-kinase regulatory subunit alpha

Gene ID [5295](#)

mRNA Refseq [NM_181523](#)

Protein Refseq [NP_852664](#)

MIM [171833](#)

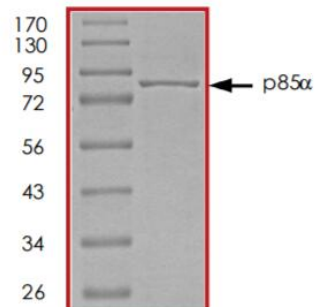
UniProt ID [P27986](#)

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Purity



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