

PI3K (p85 α) Protein recombinant protein
PI3K (p85 α) Protein, PI3K, PI3 kinase
Catalog # PBV11339r**Specification**

PI3K (p85 α) Protein recombinant protein - Product info

Primary Accession	P27986
Concentration	0.2
Calculated MW	86.0 kDa KDa

PI3K (p85 α) Protein recombinant protein - Additional Info

Gene ID	5295
Gene Symbol	PIK3R1
Other Names	
PI3K (p85 α) Protein, PI3K, PI3 kinase	
Source	Baculovirus (Sf9 insect cells)
Assay&Purity	SDS-PAGE; $\geq 95\%$
Assay2&Purity2	HPLC;
Recombinant	Yes
Format	
Liquid	

Storage

-80°C; Recombinant protein in storage buffer (50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 2 mM DTT, 150 mM imidazole, 0.1 mM PMSF, 25 % glycerol.).

PI3K (p85 α) Protein recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PI3K (p85 α) Protein recombinant protein - Images**PI3K (p85 α) Protein recombinant protein - Background**

The PI3K comprises of a 110 kDa catalytic subunit and a 85 kDa regulatory subunit. A number of isoforms of the 110 kDa catalytic subunit and the 85 kDa regulatory subunit exist in cells. p85 α modulates the interaction between PI3K and platelet-derived growth factor receptor (1). Furthermore, estrogen receptor isoform ER- α binds in a ligand-dependent manner to the p85 α

regulatory subunit of PI3K. Stimulation with estrogen increases ER-alpha-associated PI3K activity, leading to the activation of protein kinase B/AKT and endothelial nitric oxide synthase (eNOS) (2).