BioVision
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Product Specification

PI3K (p85α) Protein
(Full-length recombinant protein expressed in Sf 9 cells with N-terminal His-tag)

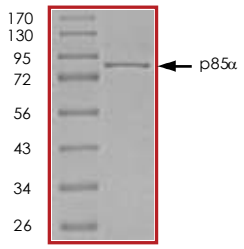
Catalog #: 7766-5

Amount: 5 µg

Lot #: _____

Concentration: 0.2 mg/ml

Purity Assessment
> 95 % by densitometry from SDS-PAGE and Coomassie blue staining; the band was at ~86 kDa.



Product Description
Recombinant full length human PI3K (p85α) containing N-terminal His- tag was expressed by baculovirus in Sf 9 insect cells. The gene accession number is NM_181523. This material is sold for research purposes only.

Formulation
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.).

Storage and Stability
Store product frozen at or below -70˚C; aliquot to avoid repeated thawing and freezing.

Scientific Background

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associated PI3K activity, leading to the activation of protein kinase B/AKT and endothelial nitric oxide synthase (eNOS) (2).

References
1. Skolnik, E. Y. Et al: Cloning of PI3-kinase associated p85 utilizing a novel method for expression/cloning of target proteins for receptor tyrosine kinases. *Cell* 65: 83-90, 1991.
2. Simoncini, T. et al: Interaction of oestrogen receptor with the regulatory subunit of phosphatidylinositol-3-OH kinase. *Nature* 407: 538-541, 2000.