

Recombinant human PI 3 Kinase p110 delta + PI 3 Kinase p85 alpha protein ab60892

1 图像

描述

产品名称	重组人PI 3 Kinase p110 delta + PI 3 Kinase p85 alpha蛋白
纯度	> 80 % SDS-PAGE. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
蛋白长度	Full length protein
无动物成分	No
性质	Recombinant
种属	Human

技术指标

Our **Abpromise guarantee** covers the use of **ab60892** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	SDS-PAGE
形式	Liquid
补充说明	Full length p110 Delta - Tagged. Full length p85 - NOT TAGGED.

制备和贮存

稳定性和存储	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.0462% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.395% Tris HCl, 0.05% Tween, 50% Glycerol (glycerin, glycerine), 0.58% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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常规信息

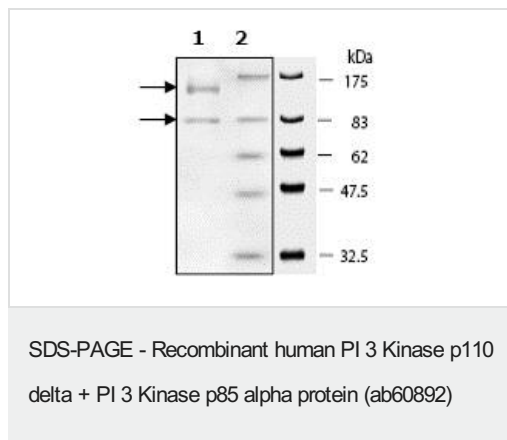
相关性	PI3-Kinases (PI3-Ks) are a family of lipid kinases that are implicated in signal transduction. PI3-K consists of two subunits; p85 and p110. The p85 subunit localize PI3-K activity to the plasma
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membrane while the p110 subunit contains the catalytic domain of PI3-K. Four isoforms of p110 have been found; the alpha, beta, gamma, and the delta subunit. The delta isoform is predominantly expressed in leukocytes and has been shown to interact with p85 and GTP-bound Ras via its SH2/SH3 domain. The enzyme phosphatidylinositol 3 kinase (PI3 kinase) is a lipid kinase that is thought to phosphorylate second messengers in growth signalling pathways. PI3K exists as a heterodimer of catalytic 110 kDa (p110) and regulatory 85 kDa (p85, p50 or p55) subunits. The p85 unit consists of two closely related proteins: p85 alpha, which binds tightly to the catalytic subunit and p85 beta, a protein of unknown function. They share 62% amino acid sequence identity. p85 alpha lacks PI3 kinase activity, but may serve as regulator of the catalytic subunit, p110, by acting as the link between PI3K and the ligand activated receptor. Both isoforms bind to activated receptors and serve as tyrosine kinase substrates.

细胞定位

Cytoplasmic

图片



Lane 1: 3µg of ab60892.

Lane 2: Protein marker.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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