

Human PIK3CG (active kinase) - Purified

Alternate names:	5-bisphosphate 3-kinase catalytic subunit gamma isoform, PI3-kinase subunit gamma, PI3K-gamma, Phosphatidylinositol-4, PtdIns-3-kinase subunit p110-gamma, p120-PI3K
Catalog No.:	AR10186PU-S
Quantity:	1 µg
Concentration:	0.5 mg/ml
Background:	PI3Kg is highly expressed in cells of hematopoietic origin. It plays an important role in dendritic cell (DC) trafficking and in the activation of specific immunity. PI3Kg ^{-/-} mice showed a reduced ability to respond to chemokines, and had a selective defect in the number of skin Langerhans cells and in lymph node CD8a-DCs. In macrophages, the chemokine RANTES/CCL5 activates the small GTPase Rac1 and its downstream target PAK2. This response depends on Gi activation and largely on the subsequent triggering of PI3Kg.
Uniprot ID:	P48736
NCBI:	NP_002640.2
GeneID:	5294
Species:	Human
Source:	Insect cells
Format:	State: Liquid sterile filtered clear solution Purity: > 95.0% as determined by SDS-PAGE Buffer System: 25mM HEPES, pH 8.0, 25mM NaCl, 2.5mM MgCl ₂ and 50% Glycerol
Description:	Recombinant full length PI3Kg (126.3 kDa without Tag) carries an N-terminal His 8 affinity Tag. Biological Activity: 4.5 nmol/mg/min using Phosphatidylinositol as the substrate.
Storage:	Store the antigen undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freezing and thawing. Shelf life: one year from despatch.