

## Human PIK3CG (active kinase) - Purified

<b>Alternate names:</b>	5-bisphosphate 3-kinase catalytic subunit gamma isoform, PI3-kinase subunit gamma, PI3K-gamma, Phosphatidylinositol-4, PtdIns-3-kinase subunit p110-gamma, p120-PI3K
<b>Catalog No.:</b>	AR10186PU-L
<b>Quantity:</b>	10 µg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	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 <sup>-/-</sup> 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.
<b>Uniprot ID:</b>	<a href="#">P48736</a>
<b>NCBI:</b>	<a href="#">NP_002640.2</a>
<b>GeneID:</b>	<a href="#">5294</a>
<b>Species:</b>	Human
<b>Source:</b>	Insect cells
<b>Format:</b>	<b>State:</b> Liquid sterile filtered clear solution <b>Purity:</b> > 95.0% as determined by SDS-PAGE <b>Buffer System:</b> 25mM HEPES, pH 8.0, 25mM NaCl, 2.5mM MgCl <sub>2</sub> and 50% Glycerol
<b>Description:</b>	Recombinant full length PI3Kg (126.3 kDa without Tag) carries an N-terminal His 8 affinity Tag. <b>Biological Activity:</b> 4.5 nmol/mg/min using Phosphatidylinositol as the substrate.
<b>Storage:</b>	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.