

## PIK3R3 Protein, Human (Sf9, His, GST)

Cat. No.:	HY-P701744
Synonyms:	PIK3R3; Phosphatidylinositol 3-kinase regulatory subunit gamma; PI3-kinase regulatory subunit gamma; PI3K regulatory subunit gamma; PtdIns-3-kinase regulatory subunit gamma; Phosphatidylinositol 3-kinase 55 kDa regulatory subunit gamma; PI3-kinase subunit p55-gamma; PtdIns-3-kinase regulatory subunit p55-gamma; p55PIK
Species:	Human
Source:	Sf9 insect cells
Accession:	Q92569 (Y2-R461)
Gene ID:	8503
Molecular Weight:	82.1 kDa

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 5% glycerol, 1 mM DTT, 0.1 M Trehalose.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	The PIK3R3 protein engages with activated (phosphorylated) protein-tyrosine kinases via its SH2 domain, playing a pivotal role in modulating their kinase activity. Additionally, during insulin stimulation, PIK3R3 forms a binding association with IRS-1. This protein operates as a heterodimer, comprising a regulatory subunit (PIK3R3) and a p110 catalytic subunit (PIK3CA, PIK3CB, or PIK3CD). Furthermore, PIK3R3 demonstrates interaction with AXL, contributing to its functional network.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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