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**Product Data Sheet**

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Product Name: PI3K $\gamma$ D946GST Human  
Cat. No.: GP22585  
Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9 insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Phosphoinositide 3-kinase p110 $\gamma$ ; PI3K $\gamma$ D946.		
Formulation	0.4mg/ml solution in 25mM Tris-HCl, pH 8.0, 50mM NaCl, 0.5mM MgCl <sub>2</sub> , and 50% glycerol.		

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Background**

The PI3K $\gamma$ D946GST protein is a catalytically inactive mutant of PI3K $\gamma$  with a D946A mutation in the ATP binding site. This recombinant catalytically inactive protein can be used as a negative control in any kind of PI3K $\gamma$  kinase activity studies. Recombinant full length PI3K $\gamma$ DA mutant (126.3 kDa without Tag) carries an N-terminal GST-Tag which facilitates the protein's application in typical GST pull-down assays.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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