PKC iota Protein, Human (sf9, GST)

Cat. No.:	HY-P74630
Synonyms:	Protein kinase C iota type; PRKC-lambda/iota; nPKC-iota; PRKCI; DXS1179E
Species:	Human
Source:	Sf9 insect cells
Accession:	P41743 (M10-V596)
Gene ID:	5584
Molecular Weight:	Approximately 100 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of 50 mM Tris, 100 mM NaCl, 0.5 mM GSH, 0.5 mM PMSF, 10% glycerol, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A.
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	Cadherin-17, belonging to the family of calcium-dependent cell adhesion proteins, functions as a pivotal component in cellular interactions. Operating through a calcium-dependent mechanism, cadherins like CDH17 exhibit a propensity for homophilic interactions, preferentially engaging with themselves in connecting cells. This unique property positions cadherins to potentially contribute to the intricate sorting processes of heterogeneous cell types. Specifically, LI-cadherin, a subtype within this family, may play a crucial role in the morphological organization of vital organs such as the liver and intestine. This highlights the diverse and specialized functions that cadherins, including CDH17, fulfill in maintaining tissue integrity and structural organization within specific physiological contexts.

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