PRKD3/nPKC nu Protein, Human (sf9, GST)

Cat. No.:	HY-P73699
Synonyms:	Serine/threonine-protein kinase D3; nPKC-nu; PRKD3; EPK2; PRKCN
Species:	Human
Source:	Sf9 insect cells
Accession:	O94806 (S2-P890)
Gene ID:	23683
Molecular Weight:	Approximately 126.7 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 20 mM Tris, 500 mM NaCl, 10 mM Reduced Glutathione, 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	Protein kinase D3 (PRKD3), also known as novel protein kinase C nu (nPKC nu), serves a crucial role in cellular signaling by converting transient diacylglycerol (DAG) signals into sustained physiological effects, acting downstream of protein kinase C (PKC). This kinase's ability to modulate signaling cascades suggests its involvement in diverse cellular processes that rely on prolonged responses to diacylglycerol. Furthermore, PRKD3/nPKC nu has been implicated in conferring resistance to oxidative stress, indicating its potential role in cellular defense mechanisms against reactive oxygen species and related stressors (By similarity). The multifaceted functions of PRKD3/nPKC nu underscore its importance in signal transduction, suggesting its contribution to cellular adaptation and survival in response to various environmental challenges.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA