

PXK Protein, Human (Sf9, His, GST)

Cat. No.:	HY-P701763
Synonyms:	PXK; PX domain-containing protein kinase-like protein; Modulator of Na; K-ATPase; MONaKA
Species:	Human
Source:	Sf9 insect cells
Accession:	Q7Z7A4 (A2-G578)
Gene ID:	54899
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
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	PXK protein exhibits binding affinity for and modulation of brain Na,K-ATPase subunits ATP1B1 and ATP1B3, potentially playing a crucial role in the regulation of electrical excitability and synaptic transmission within the brain. While its precise molecular function may not involve kinase activity, its interaction with these Na,K-ATPase subunits suggests a regulatory role in neural processes, highlighting PXK as a potential contributor to the intricate mechanisms governing neuronal function and communication in the brain.
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Caution: Product has not been fully validated for medical applications. For research use only.

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