

## CK1γ3 Protein, Human (Sf9)

Cat. No.:	HY-P701659
Synonyms:	CSNK1G3; Casein kinase I isoform gamma-3; CKI-gamma 3
Species:	Human
Source:	Sf9 insect cells
Accession:	Q9Y6M4 (E2-K447)
Gene ID:	1456
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	CK1γ3, a serine/threonine-protein kinase within the casein kinase family, is characterized by its distinctive preference for acidic proteins, with caseins among its favored substrates. This kinase exhibits broad substrate specificity, phosphorylating numerous proteins to influence diverse cellular processes. Notably, CK1γ3 actively participates in the intricate Wnt signaling pathway, contributing to the modulation of cellular responses. Additionally, it plays a regulatory role in fast synaptic transmission mediated by glutamate, indicating its involvement in synaptic processes and neurotransmitter signaling, as suggested by functional similarities with other members of the casein kinase family.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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