

## HIPK4 Protein, Human (Sf9, GST)

Cat. No.:	HY-P701700
Synonyms:	HIPK4; Homeodomain-interacting protein kinase 4
Species:	Human
Source:	Sf9 insect cells
Accession:	Q8NE63 (S2-H616)
Gene ID:	147746
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	HIPK4 protein, a dynamic kinase, plays a crucial role in cellular regulation by phosphorylating human TP53 at Ser-9, thereby instigating the repression of the BIRC5 promoter by TP53. This suggests a pivotal involvement in the intricate network of TP53-mediated cellular responses. Additionally, HIPK4 exhibits the potential to function as a corepressor of transcription factors, suggesting a broader influence on gene expression and transcriptional regulation. The dual roles of HIPK4 in TP53 phosphorylation and potential transcriptional corepression underscore its significance in modulating key cellular processes and contributing to the regulatory landscape of gene expression.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA