

FRK Protein, Human (Sf9, GST)

Cat. No.:	HY-P701688
Synonyms:	FRK; Tyrosine-protein kinase FRK; FYN-related kinase; Nuclear tyrosine protein kinase RAK; Protein-tyrosine kinase 5
Species:	Human
Source:	Sf9 insect cells
Accession:	P42685 (S2-R505)
Gene ID:	2444
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	FRK Protein, a non-receptor tyrosine-protein kinase, exerts its role as a negative regulator of cell proliferation. Its pivotal function involves the positive regulation of PTEN protein stability achieved through the phosphorylation of PTEN on 'Tyr-336'. This phosphorylation event prevents PTEN ubiquitination and degradation, potentially by reducing its binding to NEDD4. FRK Protein's ability to enhance PTEN stability suggests a regulatory mechanism that counteracts excessive cell proliferation, implying a potential tumor suppressor role for FRK Protein in cellular processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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