

LTK Protein, Human (Sf9, GST)

Cat. No.:	HY-P701795
Synonyms:	LTK; Leukocyte tyrosine kinase receptor; Protein tyrosine kinase 1
Species:	Human
Source:	Sf9 insect cells
Accession:	P29376 (K450-S864)
Gene ID:	4058
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	LTK protein, possessing tyrosine-protein kinase activity, is activated by ALKAL1 or ALKAL2 ligands, transducing extracellular signals into intracellular responses. Upon ligand binding at the cell surface, the receptor undergoes tyrosine kinase activation, leading to the initiation of the mitogen-activated protein kinase (MAPK) pathway. Notably, LTK phosphorylates predominantly at the first tyrosine of the Y-x-x-x-Y-Y motif. While the precise function of LTK remains unclear, chimeric protein studies suggest its capacity to promote growth, specifically neurite outgrowth, and cell survival. Additionally, LTK is implicated in the regulation of the secretory pathway, influencing endoplasmic reticulum export sites (ERESs) and ER to Golgi transport.
------------	--

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

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