

RP03334LQ

Leader in Biomolecular Solutions for Life Science



Recombinant Human LTK/TYK1 Kinase

Catalog No.: RP03334LQ **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Baculovirus- Insect Cells	4058	P29376

Tags
N-GST

Synonyms
LTK; TYK1; Leukocyte tyrosine kinase receptor

Product Information

Source	Purification
	≥ 90 % as determined by SDS-PAGE; ≥ 90 % as determined by HPLC.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 500 mM NaCl, 20% glycerol, 5 mM DTT, 0.1 M Trehalose. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Contact



www.abclonal.com

Background

Leukocyte receptor tyrosine kinase (LTK) is a member of the ALK/LTK receptor family of receptor tyrosine kinases (RTKs). Closely related to the insulin receptor family of RTKs. Tyrosine-specific phosphorylation of proteins is a key to the control of diverse pathways leading to cell growth and differentiation. And LTK has been shown to interact with IRS-1, Shc, and PIK3R1.

Basic Information

Description
Recombinant Human LTK/TYK1 Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Lys450-Ser864) of Human LTK (Accession #P29376) fused with a N-GST tag.

Bio-Activity
The activity of LTK is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

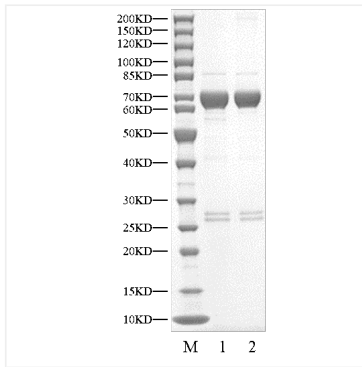
Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

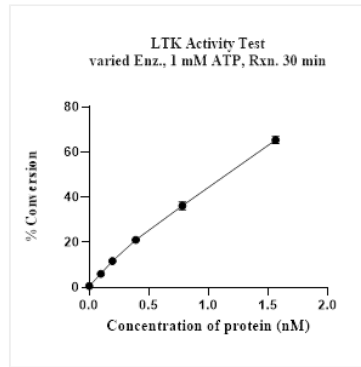
Storage
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

Validation Data



Recombinant Human LTK/TYK1 Kinase was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.



The activity of LTK is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.