

Product datasheet

Recombinant human LTK protein ab179494

2 Images

Description

Product name	Recombinant human LTK protein
Biological activity	The specific activity was determined to be 15 nmol/min/mg.
Purity	> 90 % Densitometry.
Expression system	Baculovirus infected Sf9 cells
Accession	P29376
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	LPP GVTEVSPANV TLLRALGHGA FGEVYEGLVI GLPGDSSPLQ VAIKTLPELC SPQDELDFLM EALIISKFRH QNIVRCVGLS LRATPRLILL ELMSGGDMKS FLRHSRPHLG QPSPLVMRDL LQLAQDIAQG CHYLEENHFI HRDIAARNCL LSCAGPSRVA KIGDFGMARD IYRASYRRG DRALLPVKWM PPEAFLEGIF TSKTDSWSFG VLLWEIFSLG YMPYPGRTNQ EVLDFVVG GG RMDPPRGCPG PVYRIMTQCW QHEPELRPSF ASILERLQYC TQDPDVLNSL LPMELG
Predicted molecular weight	70 kDa including tags
Amino acids	498 to 796
Tags	proprietary tag N-Terminus
Additional sequence information	NM_002344.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab179494** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
	Functional Studies

Western blot

Form Liquid

Additional notes [ab204848](#) (c Abl peptide) can be utilized as a substrate for assessing Kinase activity

Preparation and Storage

Stability and Storage Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

pH: 7.50

Constituents: 0.79% Tris HCl, 0.88% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine)

This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function Orphan receptor with a tyrosine-protein kinase activity. The exact function of this protein is not known. Studies with chimeric proteins (replacing its extracellular region with that of several known growth factor receptors, such as EGFR and CSFIR) demonstrate its ability to promote growth and specifically neurite outgrowth, and cell survival. Signaling appears to involve the PI3 kinase pathway. Involved in regulation of the secretory pathway involving endoplasmic reticulum (ER) export sites (ERESs) and ER to Golgi transport.

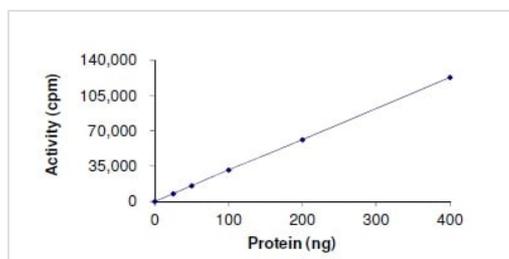
Tissue specificity Expressed in non-hematopoietic cell lines and T- and B-cell lines.

Involvement in disease Note=Genetic variations in LTK that cause up-regulation of the PI3K pathway may possibly contribute to susceptibility to abnormal proliferation of self-reactive B cells and, therefore, to systemic lupus erythematosus (SLE). SLE is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue, thought to represent a failure of the regulatory mechanisms of the autoimmune system.

Sequence similarities Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Contains 1 protein kinase domain.

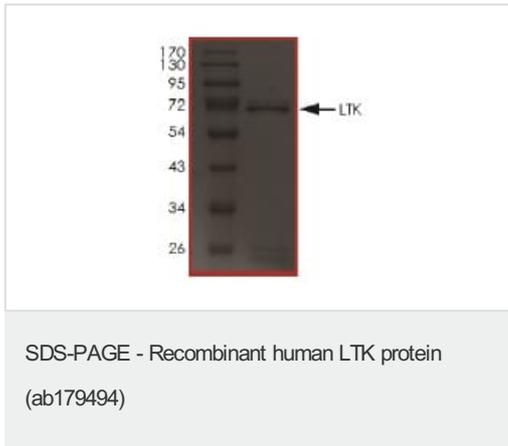
Cellular localization Membrane.

Images



The specific activity was determined to be 15 nmol/min/mg.

Functional Studies - Recombinant human LTK protein (ab179494)



The purity was determined to be > 90% by densitometry. MW ~70 kDa.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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