

LTK recombinant protein

LTK, Active

CATALOG # AAA73645	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

LTK; Active; TYK1; LTK recombinant protein

PRODUCT SPECIFICATIONS

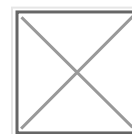
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for LTK recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for LTK recombinant protein	Recombinant human LTK (498-796) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The LTK gene accession number is NM_002344. LTK is a member of the ros/insulin receptor family of tyrosine kinases. LTK express a gene encoding a putative transmembrane protein-kinase devoid of an extracellular domain and it may encode a signal transduction subunit for one or more of the hematopoietic receptors (1). LTK gene produces not only the putative receptor tyrosine kinase for an unknown ligand but also multiple protein products that may have different functions (2). LTK causes upregulation of the PI3K pathway and possibly form a genetic component of susceptibility to abnormal proliferation of self-reactive B cells in SLE (3).
Product Categories/Family for LTK recombinant protein	Protein Kinases; Cancer; Cell Cycle; Ser/Thr Kinases

References

1. Ben-Neriah, Y. et.al: Leukocytes express a novel gene encoding a putative transmembrane protein-kinase devoid of an extracellular domain.(Letter) Nature 333: 672-676, 1988.
2. Toyoshima, H. et.al: Differently spliced cDNAs of human leukocyte tyrosine kinase receptor tyrosine kinase predict receptor proteins with and without a tyrosine kinase domain and a soluble receptor protein. Proc. Nat. Acad. Sci. 90: 5404-5408, 1993.
3. Li, N. et.al: Gain-of-function polymorphism in mouse and human Ltk: implications for the pathogenesis of systemic lupus erythematosus. Hum. Molec. Genet. 13: 171-179, 2004.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_002344
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Molecular Weight	~70kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ltk-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73645>