

Active Recombinant Human LTK Protein, GST-tagged

Cat. No. LTK-4586H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human LTK (NP_002335.2, 498 a.a. - 796 a.a.) partial recombinant protein with GST tag expressed in baculovirus infected Sf21 cells.
Species	Human
Source	Insect Cells
ProteinLength	498-796 a.a.
Description	The protein encoded by this gene is a member of the ros/insulin receptor family of tyrosine kinases. Tyrosine-specific phosphorylation of proteins is a key to the control of diverse pathways leading to cell growth and differentiation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Form	Liquid
Bio-activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip 3000. Substrate: Src tide. ATP: 100 μM.
Molecular Mass	60 kDa

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Purity	87 % by SDS-PAGE/CBB staining
Applications	Functional Study SDS-PAGE
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.1% CHAPS, 1 mM DTT, 10% glycerol)

GENE INFORMATION

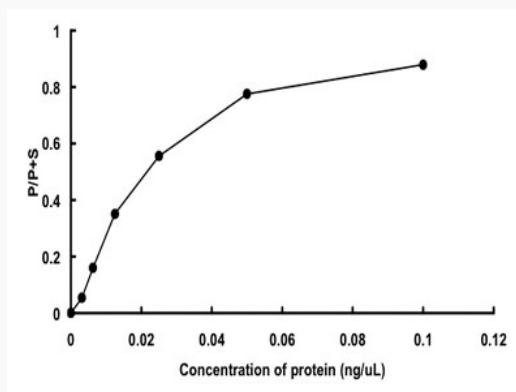
Gene Name	LTK leukocyte receptor tyrosine kinase [Homo sapiens]
Official Symbol	LTK
Synonyms	LTK; leukocyte receptor tyrosine kinase; leukocyte tyrosine kinase; leukocyte tyrosine kinase receptor; TYK1; protein tyrosine kinase 1;
Gene ID	4058
mRNA Refseq	NM_001135685
Protein Refseq	NP_001129157
MIM	151520
UniProt ID	P29376

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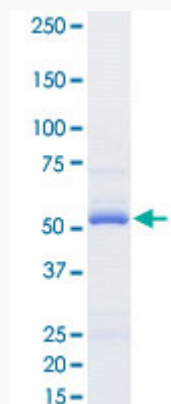
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Result of activity analysis



Quality Control Testing



Loading 1 µg protein in SDS-PAGE

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