

## Recombinant Human ITK protein(Arg352-Leu620), GST-tagged

Cat. No. ITK-576H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ITK (NP_005537.3) (Arg352-Leu620) was expressed in Insect Cells with a GST tag at the N-terminus.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	Arg352-Leu620
<b>Form</b>	Lyophilized from sterile 50 mM Tris, 150 mM NaCl, pH 7.5, 25 % glycerol, 0.5 mM PMSF, 0.5 mM TCEP, 0.1 mM EDTA, 0.5 mM GSH. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant human ITK consists of 501 amino acids and predicts a molecular mass of 57.7 kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> 75 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	ITK IL2-inducible T-cell kinase [ Homo sapiens ]
<b>Official Symbol</b>	ITK
<b>Synonyms</b>	ITK; IL2-inducible T-cell kinase; tyrosine-protein kinase ITK/TSK; EMT; LYK; PSCTK2; kinase EMT; T-cell-specific kinase; tyrosine-protein kinase LYK; IL-2-inducible T cell kinase; IL-2-inducible T-cell kinase; homolog of mouse T-cell itk/tsk; interleukin-2-inducible T cell kinase; interleukin-2-inducible T-cell kinase; MGC126257; MGC126258;
<b>Gene ID</b>	3702
<b>mRNA Refseq</b>	NM_005546
<b>Protein Refseq</b>	NP_005537
<b>MIM</b>	186973
<b>UniProt ID</b>	Q08881

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