

## Recombinant Human ITK protein, Flag-tagged, Biotinylated

Cat. No. ITK-55H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human ITK [2-620(end) amino acids of accession number NP_005537.3] fused with DYKDDDDK tag at N-terminal was expressed in insect cell and biotinylated.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>ProteinLength</b>	2-620 a.a.
<b>Form</b>	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
<b>Molecular Mass</b>	75 kDa
<b>Purity</b>	>90% as determined by SDS-PAGE and CBB staining
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Conjugation</b>	Biotin

### GENE INFORMATION

<b>Gene Name</b>	ITK IL2-inducible T-cell kinase [ Homo sapiens ]
<b>Official Symbol</b>	ITK

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<b>Synonyms</b>	ITK; IL2-inducible T-cell kinase; EMT; LYK; PSCTK2; kinase EMT; T-cell-specific kinase; tyrosine-protein kinase LYK
<b>Gene ID</b>	<a href="#">3702</a>
<b>mRNA Refseq</b>	<a href="#">NM_005546</a>
<b>Protein Refseq</b>	<a href="#">NP_005537</a>
<b>MIM</b>	<a href="#">186973</a>
<b>UniProt ID</b>	<a href="#">Q08881</a>
<b>Chromosome Location</b>	5q31-q32
<b>Pathway</b>	Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class I PI3K signaling events, organism-specific biosystem; Fc-epsilon receptor I signaling in mast cells, organism-specific biosystem; Generation of second messenger molecules, organism-specific biosystem;
<b>Function</b>	ATP binding; metal ion binding; non-membrane spanning protein tyrosine kinase activity; nucleotide binding; protein binding;

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