

# Recombinant Full Length Human ITK Protein, C-Flag-tagged

Cat. No. ITK-1301HFL Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human ITK Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	This gene encodes an intracellular tyrosine kinase expressed in T-cells. The protein contains both SH2 and SH3 domains which are often found in intracellular kinases. It is thought to play a role in T-cell proliferation and differentiation.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	71.7 kDa
<b>AA Sequence</b>	MNNFILLLEEQLIKKSQQKRRRTSPSNFKVRRFFVLTKASLAYFEDRHGKKRTLKGSIELS RIKCVEIVKSDI SIPCHYKYPFQVVDNYLLYVFAPDRESRQRWVLAALKEETRNNNS LVPKYHPNFWMDGKWRCCSQLEKLA TGCAQYDPTKNASKKPLPPTPEDNRRPLW EPEETVVIALYDYQTNDPQELALRRNEEYCLLDSSEIHWWR VQDRNGHEGYVPSS YLVEKSPNNLETYEWYNKSISRDKAEKLLLDTGKEGAFMVRDSRTAGTYTVSVFTK AVVSENNPCIKHYHIKETNDNPKRYYYAEKYVFDSIPLLINYHQHNGGGLVTRLRYPV CFGRQKAPVTAG LRYGKWVIDPSELTFVQEIGSGQFGLVHLGYWLNKDKVAIKTIRE GAMSEEDFIEEAEVMMKLSHPKLVQ LYGVCLEQAPICLVFEFMEHGCLSDYLRTQR GLFAAETLLGMCLDVCEGMAYLEEACVIHRDLAARNCLV GENQVIKVSDFGMTRFV LDDQYTSSTGTFKFPVKWASPEVFSFSRYSSKSDVWSFGVLMWEVFSEGKIPIYE

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NRSNSEVVEDISTGFRLYKPRLASTHVYQIMNHCWKERPDRPAFSRLLRQLAEIAE  
SGLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Protein Families</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways</b>	Chemokine signaling pathway, Leukocyte transendothelial migration, T cell receptor signaling pathway
<b>Full Length</b>	Full L.

## GENE INFORMATION

<b>Gene Name</b>	ITK IL2 inducible T cell kinase [ Homo sapiens (human) ]
<b>Official Symbol</b>	ITK
<b>Synonyms</b>	EMT; LYK; LPFS1; PSCTK2
<b>Gene ID</b>	3702

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mRNA Refseq [NM\\_005546.4](#)

Protein Refseq [NP\\_005537.3](#)

MIM [186973](#)

UniProt ID [Q08881](#)



Coomassie blue staining of purified ITK protein.

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