

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

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

SPECIFICATION

Product Overview	Recombinant Full Length Human ITK Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	71.7 kDa
AA Sequence	MNNFILLLEEQLIKKSQQKRRTSPSNFKVRFFVLTKASLAYFEDRHGKKRTLKGSIELS RIKCVEIVKSDI SIPCHYKYPFQVVDNYLLYVFAPDRESRQRWVLALKEETRNNNS LVPKYHPNFWMDGKWRCCSQLEKLA TGCAQYDPTKNASKKPLPPTPEDNRRPLW EPEETVVIALYDYQTNDPQELALRRNEEYCLLDSSEIHWWR VQDRNGHEGYVPSS YLVEKSPNNLETYEWYNKSISRDKAEKLLLDTGKEGAFMVRDSRTAGTYTVSVFTK AVVSENNPCIKHYHIKETNDNPKRYVVAEKYVFDSIPLLINYHQHNGGGLVTRLRYPV CFGRQKAPVTAG LRYGKWVIDPSELTFVQEIGSGQFGLVHLGYWLNKDKVAIKTIRE GAMSEEDFIEEAEVMMKLSHPKLVQ LYGVCLEQAPICLVFEFMEHGCLSDYLRTQR GLFAAETLLGMCLDVCEGMAYLEEACVIHRDLAARNCLV GENQVIKVSDFGMTRFV LDDQYTSSTGTFKFPVKWASPEVFSFSRYSSKSDVWSFGVLMWEVFSEGKIPIYE

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

GENE INFORMATION

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

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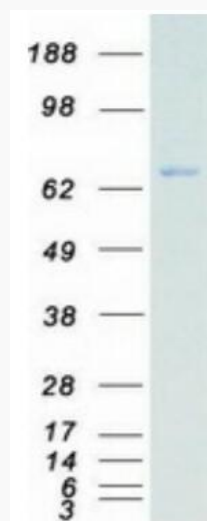
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mRNA Refseq [NM_005546.4](#)

Protein Refseq [NP_005537.3](#)

MIM [186973](#)

UniProt ID [Q08881](#)



Coomassie blue staining of purified ITK protein.

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