

# Recombinant Human ITK Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ITK-2227H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	ITK MS Standard C13 and N15-labeled recombinant protein (NP_005537) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>Molecular Mass</b>	71.7 kDa
<b>AA Sequence</b>	MNNFILLEEQLIKKSQQKRRTSPSNFKVRRFFVLTKASLAYFEDRHGKKRTLKGSIELS RIKCVEIVKSDISIPCHYKYPFQVVHDNYLLYVFAPDRESRQRWVLALKEETRNNNSL VPKYHPNFWMDGKWRCCSQLEKLATGCAQYDPTKNASKKPLPPTPEDNRRPLWE PEETVVIALYDYQTNDPQELALRRNEEYCLLDSSEIHWWRVQDRNGHEGYVPSSYL VEKSPNNLETYEWYNKSISRDKAEKLLLDTGKEGAFMVRDSRTAGTYTVSVFTKAVV SENNPCIKHYHIKETNDNPKRYYYVAEKYVFDSIPLLINYHQHNGGGLVTRLRYPVCFG RQKAPVTAGLRYGKWVIDPSELTFVQEIGSGQFGLVHLGYWLNKDKVAIKTIREGAM SEEDFIEEAEVMMKLSHPKLVQLYGVCLEQAPICLVFEFMEHGCLSDYLRTQRGLFA AETLLGMCLDVCEGMAYLEEACVIHRDLAARNCLVGENQVIKVSDFGMTRFVLDQ YTSSTGTKFPVKWASPEVFSFSRYSSKSDVWSFGVLMWEVFESEKIPYENRSNSEV

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VEDISTGFRLYKPRLASTHVYQIMNHCWKERPEDRPAFSRLLRQLAEIAESGLTRTR  
PLEQKLISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [ITK IL2-inducible T-cell kinase \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [ITK](#)

**Synonyms** 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;

**Gene ID** [3702](#)

**mRNA Refseq** [NM\\_005546](#)

**Protein Refseq** [NP\\_005537](#)

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SDS-PAGE



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