

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

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

SPECIFICATION

Product Overview	ITK MS Standard C13 and N15-labeled recombinant protein (NP_005537) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	71.7 kDa
AA Sequence	MNNFILLEEQLIKKSQQKRRTSPSNFKVRFFVLTKASLAYFEDRHGKKRTLKGSIELS RIKCVEIVKSDISIPCHYKYPFQVVHDNYLLYVFAPDRESRQRWVLALKEETRNNNSL VPKYHPNFWMDGKWRCSSQLEKLATGCAQYDPTKNASKKPLPPTPEDNRRPLWE PEETVVIALYDYQTNDPQELALRRNEEYCLLDSSEIHWWRVQDRNGHEGYVPSSYL VEKSPNNLETYEWYNKSISRDKAEKLLLDTGKEGAFMVRDSRTAGTYTVSVFTKAVV SENNPCIKHYHIKETNDNPKRYYYVAEKYVFDSIPLLINYHQHNGGGLVTRLRYPVCFG RQKAPVTAGLRYGKWVIDPSELTFFVQEIGSGQFGLVHLGYWLNKDKVAIKTIREGAM SEEDFIEEAEVMMKLSHPKLVQLYGVCLQAPICLVFEFMEHGCLSDYLRTQRGLFA AETLLGMCLDVCEGMAYLEEACVIHRDLAARNCLVGENQVIKVSDFGMTRFVLDQ YTSSTGTFKFPVKWASPEVFSFSRYSSKSDVWSFGVLMWEVFESEKIPYENRSNSEV

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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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MIM 186973

UniProt ID Q08881

SDS-PAGE



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