

Recombinant Full Length Human ITK Protein, GST-tagged

Cat. No. ITK-5813HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ITK full-length ORF (AAI09078.1, 1 a.a. - 620 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
Protein Length	620 amino acids
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. [provided by RefSeq]
Molecular Mass	98.2 kDa
AA Sequence	MNNFILLLEEQLIKKSQQKRRRTSPSNFKVRFFVLTKASLAYFEDRHGKKRTLKGSIELS RIKCV EIVKSDISIPCHYKYPFQVVHDNYLLYVFAPDRESRQRWVLALKEETRNNNSL VPKYHPNFWMDGKWRCCSQLEKLATGCAQYDPTKNASKKPLPPTPEDNRRPLWE PEETVVIALYDYQTNDPQELALRRNEEYCLLDSSEIHWWRVQDRNGHEGYVPSLYL VEKSPNNLETYEWYNKSISRDKAEKLLLDTGKEGAFMVRDSRTAGTYTVSVFTKAVV SENNPCIKHYHIKETNDNPKRYYYVAEKYVFDSIPLLINYHQHNGGLVTRLRYPVCFG RQKAPVTAGLRYGKWVIDPSELTFVQEIGSGQFGLVHLGYWLNKDKVAIKTIREGAM SEEDFIEEA EVMMLKLSHPKLVQLYGVCL EQAPICLVFEFMEHGCLSDYLRTQRGLFA AETLLGMCLDVCEGMAYLEEACVIHRDLAARNCLVGENQVIKVSDFGMTRFVDDQ YTSSTGTKFPVKWASPEVFSFSRYSSKSDVWSFGVLMWEVVFSEGGKIPYENRSNSEV

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VEDISTGFRLYKPRLASTHVYQIMNHCWKERPEDRPAFSRLLRQLAEIAESGL

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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

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