

## Recombinant Human ITK Protein, GST-tagged

**Cat. No.** ITK-4960H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ITK full-length ORF ( AAI09078.1, 1 a.a. - 620 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <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. [provided by RefSeq]                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | 98.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | <p>MNNFILLEEQLIKKSQQKRRTSPSNFKVRFFVLTKASLAYFEDRHGKKRTLKGSIELS<br/> RIKCVEIVKSDISIPCHYKYPFQVVHDNYLLYVFAPDRESRQRWVLALKEETRNNNSL<br/> VPKYHPNFWMDGKWRCSSQLEKLATGCAQYDPTKNASKKPLPPTPEDNRRPLWE<br/> PEETVVIALYDYQTNDPQELALRRNEEYCLLDSSEIHWVRVQDRNGHEGYVPSSYL<br/> VEKSPNNLETYEWYNKSISRDKAEKLLLDTGKEGAFMVRDSRTAGTYTVSVFTKAVV<br/> SENNPCIKHYHIKETNDNPKRYYYAEKYVFDSIPLLINYHQHNGGGLVTRLRYPVCFG<br/> RQKAPVTAGLRYGKWVIDPSELTFVQEIGSGQFGLVHLGYWLNKDKVAIKTIREGAM<br/> SEEDFIEEAEVMMKLSHPKLVQLYGVCLEQAPICLVFEFMEHGCLSDYLRTQRGLFA<br/> AETLLGMCLDVCEGMAYLEEACVIHRDLAARNCLVGENQVIKVSDFGMTRFVDDQ<br/> YTSSTGTFKFPVKWASPEVFSFSRYSSKSDVWSFGVLMWEVFSEGGKIPYENRSNSEV<br/> VEDISTGFRLYKPRLASTHVYQIMNHCWKERPEDRPAFSRLLRQLAEIAESGL</p> |

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|                       |                                                                                                                   |
|-----------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |
| <b>Notes</b>          | Best use within three months from the date of receipt of this protein.                                            |
| <b>Storage</b>        | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                          |
| <b>Storage Buffer</b> | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                          |

## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ITK IL2-inducible T-cell kinase [ Homo sapiens ]                                                                                                                                                                                                                                                                                                       |
| <b>Official Symbol</b> | ITK                                                                                                                                                                                                                                                                                                                                                    |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 3702                                                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | NM_005546                                                                                                                                                                                                                                                                                                                                              |
| <b>Protein Refseq</b>  | NP_005537                                                                                                                                                                                                                                                                                                                                              |
| <b>MIM</b>             | 186973                                                                                                                                                                                                                                                                                                                                                 |

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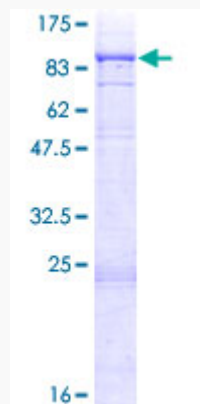
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UniProt ID

Q08881

Quality Control  
Testing



12.5% SDS-PAGE Stained with Coomassie Blue

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