

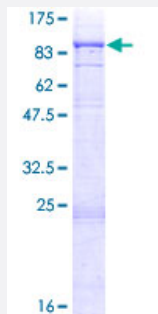
Full-Length

ITK (Human) Recombinant Protein (P01)

Catalog # H00003702-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human ITK full-length ORF (AA109078.1, 1 a.a. - 620 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MNNFILLEEQLIKKSQQKRRTSPSNFKVRFFVLTKASLAYFEDRHGKKRTLKGSIELSRIKCVENKS
DISIPCHYKYPFQVVHDNYLLYFAPDRESRQRWVLALKEETRNNNSLVPKYHPNFWMDGKWRC
CSQLEKLATGCAQYDPTKNASKKPLPPTPEDNRRPLWEPEETVIALYDYQTNDPQELALRRNEE
YCLLDSSEIHWWRVQDRNGHEGYVPSSYLVEKSPNNLETYEWYNKSISRDKAEKLLLDTGKEGAF
MVRDSRTAGTYTVSVFTKAVVSENNPCIKHYHIKETNDNPKRYYAEKYVFDSPILLINYHQHNGGG
LVTRLRYPVCFGRQKAPVTAGLRYGKWVIDPSELTFVQEIGSGQFGLVHLGYWLNKDKVAIKTIRE
GAMSEEDFIEEAEVMMKLSHPKLVQLYGVCLQAPICLVFEFMEHGCLSDYLRTQRGLFAAETLL
GMCLDVCEGMAYLEEACVIHRDLAARNCLVGENQVIKVSDFGMTRFVLDDQYTSSTGTFKFPVKW
ASPEVFSFSRYSSKSDVWSFGVLMWEVFSEGKIPYENRSNSEVVEDISTGFRLYKPRLASTHVYQ
IMNHCWKERPEDRPAFSRLLRQLAEIAESGL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

98.2

Interspecies Antigen Sequence

Mouse (93); Rat (94)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ITK

Entrez GeneID	3702
GeneBank Accession#	BC109077.2
Protein Accession#	AAI09078.1
Gene Name	ITK
Gene Alias	EMT, LYK, MGC126257, MGC126258, PSCTK2
Gene Description	IL2-inducible T-cell kinase
Omim ID	186973
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	homolog of mouse T-cell itk/tsk tyrosine-protein kinase ITK/TSK tyrosine-protein kinase LYK

Pathway

- [Chemokine signaling pathway](#)
- [Leukocyte transendothelial migration](#)
- [T cell receptor signaling pathway](#)

Disease

- [Asthma](#)
- [Celiac Disease](#)
- [Eczema](#)
- [Genetic Predisposition to Disease](#)
- [Hypersensitivity](#)