

Recombinant Mouse Itk Protein, GST & His-tagged

Cat. No. Itk-861M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse ITK / EMT (Q03526) protein kinase domain (Arg 351-Leu 619) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Mouse
Source	Insect Cells
ProteinLength	Arg 351-Leu 619
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The secreted recombinant mouse ITK /GST chimera consists of 506 amino acids and has a calculated molecular mass of 58.4 kDa. The recombinant protein migrates as an approximately 58 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 80 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name [Itk IL2 inducible T cell kinase \[Mus musculus \]](#)

Official Symbol [Itk](#)

Synonyms ITK; IL2 inducible T cell kinase; tyrosine-protein kinase ITK/TSK; kinase EMT; kinase TLK; T-cell-specific kinase; IL2-inducible T-cell kinase; IL-2-inducible T-cell kinase; interleukin-2-inducible T cell kinase; Emt; Tsk; Tcsk;

Gene ID [16428](#)

mRNA Refseq [NM_010583](#)

Protein Refseq [NP_034713](#)

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