

## Mouse ITK Protein

Cat. No. ITK-MB601

### Description

<b>Source</b>	Recombinant Mouse ITK Protein is expressed from Baculovirus-Insect Cells(Sf9) with His tag and GST tag at the N-terminus and Strep-II tag at the C-terminus. It contains Arg347-Leu625.
<b>Accession</b>	Q03526
<b>Molecular Weight</b>	The protein has a predicted MW of 61.42 kDa same as Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE

### Formulation and Storage

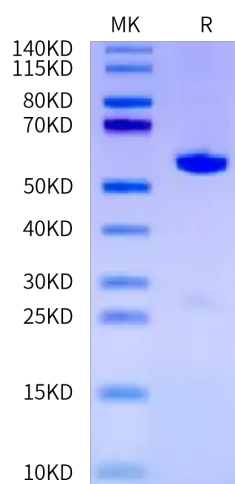
<b>Formulation</b>	Supplied as 0.22 µm filtered solution in 50mM Tris, 100mM NaCl, 10% Glycerol, 0.5mM GSH (pH 7.5).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

### Background

ITK (IL-2-inducible tyrosine kinase) belongs to the Tec family kinases and is mainly expressed in T cells. It is involved in TCR signalling events driving processes like T cell development as well as Th2, Th9 and Th17 responses thereby controlling the expression of pro-inflammatory cytokines.

### Assay Data

#### Bis-Tris PAGE



Mouse ITK on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.