

Human ITK Protein

Cat. No. ITK-HB601

Description

Source	Recombinant Human ITK Protein is expressed from Baculovirus-Insect Cells with GST tag at the N-terminus. It contains Arg352-Leu620.
Accession	NP_005537.3
Molecular Weight	The protein has a predicted MW of 57.33 kDa same as Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

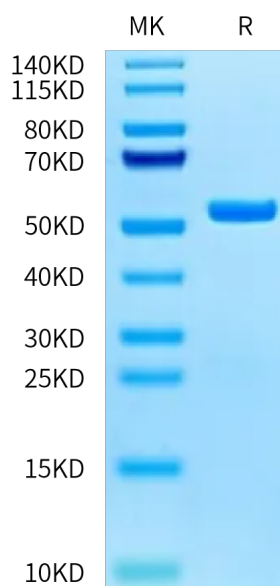
Formulation	Supplied as 0.22 µm filtered solution in 50mM Tris, 150mM NaCl, 25% glycerol, 0.5mM PMSF, 0.5 mM TCEP, 0.1mM EDTA, 0.5mM GSH (pH 7.5).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Itk/Emt, a tec family tyrosine kinase, is important for T-cell development and activation through the antigen receptor. Itk/Emt can induce the generation of important second signals (PKC, Ca²⁺) and can modulate their duration by maintaining the stability of scaffolding complexes through regulation of cytoskeletal reorganization.

Assay Data

Bis-Tris PAGE



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