

ITK Kinase Recombinant Protein | ITK recombinant protein

Recombinant Mouse ITK Kinase Protein (aa 351-619, His & GST tag)

CATALOG # AAA173593	HOST Baculovirus-Insect Cells
-------------------------------	---

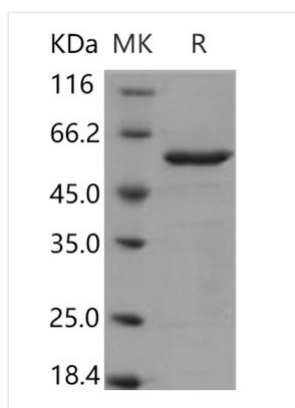
PRODUCT SYNONYMS

ITK Kinase; Recombinant Mouse ITK Kinase Protein (aa 351-619; His & GST tag); RP23-273O7.1; Emt; Tcsk; Tsk; ITK recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus-Insect Cells
Purity/Purification	> 80 % as determined by SDS-PAGE
Form/Format	Lyophilized from sterile 50mM Tris, 100mM NaCl, pH 7.5, 10% glycerol, 0.5mM GSH, 5% Trehalose, 5% Mannitol, 0.01% Tween-80.
Sequence Positions	Arg 351-Leu 619
Species	Mouse
Tag	N-His-GST
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method.
Reconstitution	We recommend that the vial be centrifuged to opening to bring the contents to the bottom. Do not mix by vortex. It is recommended that sterile water(200ul) be added to the vial to prepare a stock solution of 0.25mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Ships on blue ice. Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ITK recombinant protein	IL-2-inducible T cell kinase is a member of the protein kinase superfamily, Tyr protein kinase family and TEC subfamily. It contains 1 Btk-type zinc finger, 1 PH domain, 1 protein kinase domain, 1 SH2 domain and 1 SH3 domain. As an intracellular kinase which expressed in T-cells, IL-2-inducible T cell kinase contains both SH2 and SH3 domains which are often found in intracellular kinases. It is hought to play a role in T-cell proliferation and differentiation. It regulates the development, function and differentiation of conventional T-cells and nonconventional NKT-cells. IL-2-inducible T cell kinase also plays an essential role in regulation of the adaptive immune response. effects in IL-2-inducible T cell kinase are the cause of lymphoproliferative syndrome EBV-associated autosomal type 1 (LPSA1). LPSA1 is a rare immunodeficiency characterized by extreme susceptibility to infection with Epstein-Barr virus (EBV). Inadequate immune response to EBV can have a fatal outcome. Clinical features include splenomegaly, lymphadenopathy, anemia, thrombocytopenia, pancytopenia, recurrent infections. There is an increased risk for lymphoma.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	530354648
NCBI GeneID	16428
NCBI Accession #	NP_001268894.1
NCBI GenBank Nucleotide #	NM_001281965.1
UniProt Accession #	Q03526
Molecular Weight	Mol_Mass: 58.4 kDa AP_Mol_Mass: 58 kDa
NCBI Official Full Name	tyrosine-protein kinase ITK/TSK isoform 1
NCBI Official Synonym Full Names	IL2 inducible T cell kinase
NCBI Official Symbol	Itk
NCBI Official Synonym Symbols	Emt; Tsk; Tcsk
NCBI Protein Information	tyrosine-protein kinase ITK/TSK
UniProt Protein Name	Tyrosine-protein kinase ITK/TSK
UniProt Gene Name	Itk
UniProt Synonym Gene Names	Emt; Tlk; Tsk

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/itk-recombinant-protein-baculovirus/173593>