

---

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

---

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

产品货号: TP06662

第三版

别名:Emt;Tcsk;Tsk

**描述:**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 thought 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. Defects 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.

**配方:**PBS

**分子量:**58.4 kDa

**序列:**Arg 351-Leu 619

**纯度:**> 95% by HPLC

**浓度:**

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.