

Product datasheet

Recombinant human ITK protein ab79617

2 图像

概述

产品名称	重组人ITK蛋白
蛋白长度	Protein fragment

描述

性质	Recombinant
来源	Baculovirus infected Sf9 cells

氨基酸序列

种属	Human
氨基酸	352 to 620

技术指标

Our [Abpromise guarantee](#) covers the use of **ab79617** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

生物活性	Specific Activity: 58 nmol/min/mg
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应用	Functional Studies SDS-PAGE
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纯度	> 90 % SDS-PAGE.
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形式	Liquid
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制备和贮存

稳定性和存储	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5 This product is an active protein and may elicit a biological response in vivo, handle with caution.
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常规信息

功能	Plays a role in T-cell proliferation and differentiation.
组织特异性	T-cell lines and natural killer cell lines.
疾病相关	Defects in ITK are the cause of lymphoproliferative syndrome EBV-associated autosomal type 1 (LPSA1) [MIM:613011]. 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.
序列相似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. TEC subfamily. Contains 1 Btk-type zinc finger. Contains 1 PH domain. Contains 1 protein kinase domain. Contains 1 SH2 domain. Contains 1 SH3 domain.
细胞定位	Cell membrane. Localizes to cell surface receptors in the plasma membrane after stimulation with respective receptors (TCR, CD28, CD2) in T-cells.

图片

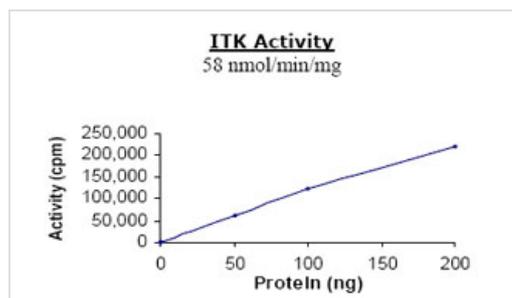


Image showing specific activity of ab79617.

Functional Studies - ITK protein (Active) (ab79617)



SDS-PAGE showing ab79617 at approximately 53kDa.

SDS-PAGE - ITK protein (Active) (ab79617)

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