

### Recombinant human TYK2 protein ab125539

#### 4 图像

#### 描述

产品名称	重组人TYK2蛋白
生物活性	The specific activity of ab125539 was determined to be 24 nmol/min/mg.
纯度	> 70 % Densitometry. Purity determined to be >70% by densitometry. Affinity purified.
表达系统	Baculovirus infected Sf9 cells
Accession	<b><u>P29597</u></b>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
预测分子量	110 kDa including tags
氨基酸	442 to 1187

#### 技术指标

Our **Abpromise guarantee** covers the use of **ab125539** in the following tested applications.

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

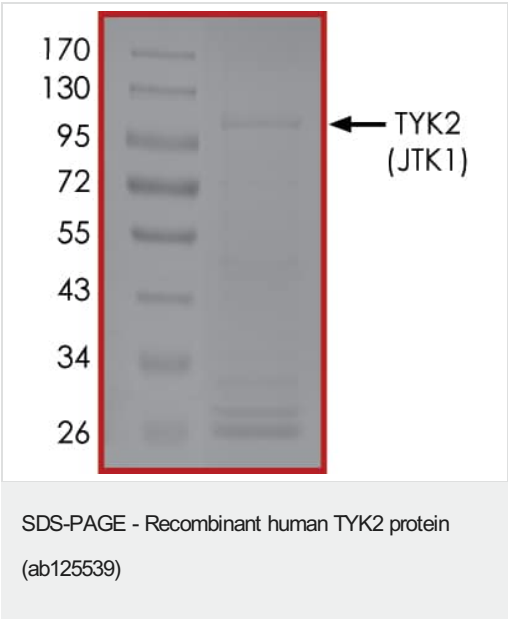
应用	Western blot Functional Studies SDS-PAGE
形式	Liquid
补充说明	<b><u>ab204877</u></b> (Poly (4:1 Glu, Tyr) peptide) can be utilized as a substrate for assessing kinase activity

#### 制备和贮存

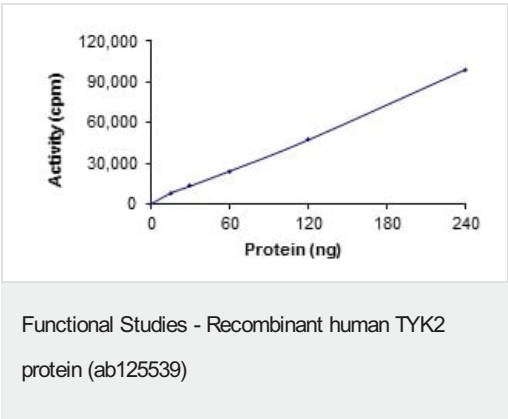
稳定性和存储	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.003% EDTA, 25% Glycerol (glycerin, glycerine), 0.88% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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常规信息	
功能	Probably involved in intracellular signal transduction by being involved in the initiation of type I IFN signaling. Phosphorylates the interferon-alpha/beta receptor alpha chain.
组织特异性	Observed in all cell lines analyzed. Expressed in a variety of lymphoid and non-lymphoid cell lines.
疾病相关	Defects in TYK2 are the cause of protein-tyrosine kinase 2 deficiency (TYK2 deficiency) [MIM:611521]; also known as autosomal recessive hyper-IgE syndrome (HIES) with atypical mycobacteriosis. TYK2 deficiency consists of a primary immunodeficiency characterized by recurrent skin abscesses, pneumonia, and highly elevated serum IgE.
序列相似性	<p>Belongs to the protein kinase superfamily. Tyr protein kinase family. JAK subfamily.</p> <p>Contains 1 FERM domain.</p> <p>Contains 1 protein kinase domain.</p> <p>Contains 1 SH2 domain.</p>
结构域	The FERM domain mediates interaction with JAKMIP1.

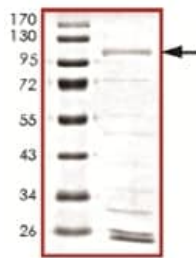
图片



SDS PAGE analysis of ab125539

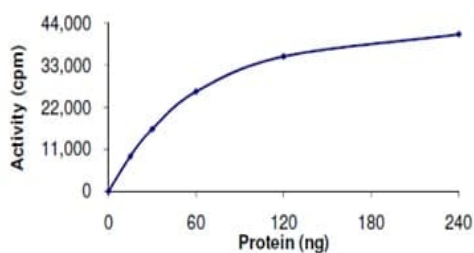


The specific activity of TYK2 (ab125539) was determined to be 20 nmol/min/mg as per activity assay protocol.



SDS-PAGE analysis of ab125539.

SDS-PAGE - Recombinant human TYK2 protein  
(ab125539)



The specific activity of ab125539 was determined to be 24 nmol/min/mg by Kinase Assay.

Functional Studies - Recombinant human TYK2 protein (ab125539)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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