

# Recombinant human BAFF-R protein (Fc Chimera) ab83931

### 3 图像

#### 描述

<b>产品名称</b>	重组人BAFF-R蛋白(Fc Chimera)
<b>生物活性</b>	The ED <sub>50</sub> of BAFF Receptor – Fc Chimera is typically 0.02-0.08 µg/ml as measured by its ability to neutralize BAFF-mediated proliferation of the RPMI 8226 cell line.
<b>纯度</b>	> 95 % SDS-PAGE.
<b>表达系统</b>	HEK 293 cells
<b>Accession</b>	<b><u>Q96RJ3</u></b>
<b>蛋白长度</b>	Protein fragment
<b>无动物成分</b>	No
<b>性质</b>	Recombinant
<b>种属</b>	Human
<b>序列</b>	<p>Theoretical Sequence:</p> <p>SLRGRDAPAPTPCVPAECFDLLVRHCVACGLLRTPRKPAGAS SSPAPRTA LQPQESVGAGAGEAALPGSSNTKVDKKVEPKSCDKTHTCPPC PAPELLGG PSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYV DGVEVHNA KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALP APIEKTIS KAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAV EWESNGQP ENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMH EALHNHYT QKSLSLSPGK</p>

**额外的序列信息** A fusion of the signal peptide of human GH receptor to the extracellular domain of human BAFF-R (aa 2-73), and the Fc region of human IgG1 (aa 93-330), expressed in modified human 293 cells.

#### 技术指标

Our **Abpromise guarantee** covers the use of **ab83931** in the following tested applications.

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

**应用** SDS-PAGE

**形式** Lyophilized

## 制备和贮存

### 稳定性和存储

Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles.

Constituents: 10% Trehalose, 1% Human serum albumin

This product is an active protein and may elicit a biological response in vivo, handle with caution.

### 复溶

It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, with longer-term storage in aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

## 常规信息

### 功能

B-cell receptor specific for TNFSF13B/TALL1/BAFF/BLyS. Promotes the survival of mature B-cells and the B-cell response.

### 组织特异性

Highly expressed in spleen and lymph node, and in resting B-cells. Detected at lower levels in activated B-cells, resting CD4+ T-cells, in thymus and peripheral blood leukocytes.

### 疾病相关

Defects in TNFRSF13C are the cause of immunodeficiency common variable type 4 (CVID4) [MIM:613494]; also called antibody deficiency due to BAFFR defect. CVID4 is a primary immunodeficiency characterized by antibody deficiency, hypogammaglobulinemia, recurrent bacterial infections and an inability to mount an antibody response to antigen. The defect results from a failure of B-cell differentiation and impaired secretion of immunoglobulins; the numbers of circulating B cells is usually in the normal range, but can be low.

### 序列相似性

Contains 1 TNFR-Cys repeat.

### 细胞定位

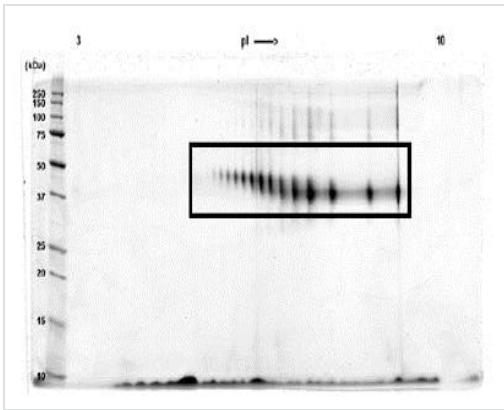
Membrane.

## 图片



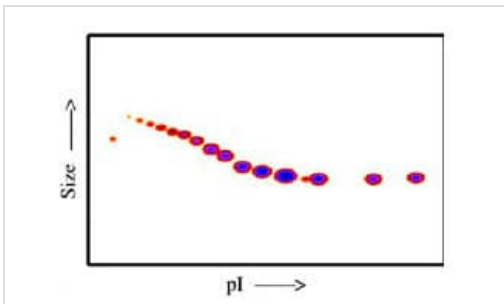
Lane 1 – MW markers; Lane 2 – ab83931; Lane 3 – ab83931 treated with PNGase F to remove potential N-linked glycans; Lane 4 – ab83931 treated with a glycosidase cocktail to remove potential N- and O-linked glycans. 3 µg of protein was loaded per lane. Gels were stained with Coomassie G250.

Drop in MW after treatment with PNGase F indicates the presence of N-linked glycans. A subsequent drop in MW after treatment with a glycosidase cocktail indicates O-linked glycans are also present. Additional high MW bands in lane 4 are glycosidase enzymes.



SDS-PAGE - Recombinant human BAFF-R protein  
(Fc Chimera) (ab83931)

A sample of ab83931 without carrier protein was reduced and alkylated. 40 µg of protein was loaded, focused on a 3-10 IPG strip then run on a 4-20% Tris-HCl 2D gel. Spot train (Deep Purple™ stained) indicates presence of multiple glycoforms of BAFF Receptor - Fc Chimera. Spots within the spot train were cut from the gel and identified by protein mass fingerprinting as BAFF Receptor - Fc Chimera.



Functional Studies - Recombinant human BAFF-R protein (Fc Chimera) (ab83931)

Post-translational modifications result in protein heterogeneity. The densitometry scan demonstrates the purified human cell expressed protein exists in multiple glycoforms, which differ according to their level of post-translational modification.

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors