

Product datasheet

Recombinant human Flt3 / CD135 protein (Fc Chimera Active) ab83998

3 Images

Description

Product name	Recombinant human Flt3 / CD135 protein (Fc Chimera Active)
Biological activity	Activity: The ED <sub>50</sub> of ab83998 is typically 1.0 -2.0 ng/ml as measured by its ability to neutralize Flt3 mediated proliferation of the OCI/AML5 human leukemia cell line.
Purity	> 95 % SDS-PAGE.
Expression system	HEK 293 cells
Accession	<u>P36888</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	

Theoretical Sequence:  
NQDLPVIKCVLINHKNNDSVVGKSSSYPMVSESPEDLGC  
ALRPQSSGTVYEAAAVEVDVSASITLQVL  
VDAPGNISCLWVFKHSSLN  
CQPHFDLQNRGVVSMVILKMTETQAGEYLLFIQSEATNYTI  
LFTVSIRNT L  
LYTLRRPYFRKMENQDALVCISESVPEPMEWWLCDSQGE  
SCKEESP AVVKKEEKVLHELFGTDIRCC  
ARNELGRECTRLFTIDLNQTPQTLPQ  
LFLKVGEPLWIRCKAVHVNHGFGLTWELENKALEEGNYF  
EM STYSTNR  
TMIRILFAFVSSVARNDTGYYTCSSSKHPSQSALVTIVEKG  
FINATNSSE DYEIDQYEEFCFS  
VRFKAYPQIRCTWTFSRKSFPCEQKGLDNGYSISK  
FCNHKHQPGEYIFHAENDDAQFTKMFTLNIRRK  
PQVLAEASASQASCF  
SDGYPLPSWTWKKCSDKSPNCTEEITEGVWNRKANRKV  
FGQWVSSSTLNM  
SEAIKGLVKCCAYNSLGTSCETILLNSPGPFPIQDRIPKV  
DKKVEP KSCDKTHTCPPCPAPELLGGPS  
VFLFPPKPKDTLMISRTPEVTCVVVD

VSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVV  
SVL TVLHQDW  
LNGKEYKCRVSNKALPAPIEKTISKAKGQPREPQVYTLPP  
SRDELTKNQV SLTCLVKGFYP  
SDIAVEWESNGQPENNYKTTPVLDSDGSFFLYSKLT  
VDKSRWQQGNVFCFSVMHEALHNHYTQKS LSLSPGK

**Additional sequence information** Fused with the Fc region of Human IgG1 at the C-terminus.

## Specifications

---

Our **Abpromise guarantee** covers the use of **ab83998** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE
	Functional Studies
<b>Form</b>	Lyophilized

## Preparation and Storage

---

<b>Stability and Storage</b>	Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles.
	Constituents: 1% Human serum albumin, 10% Trehalose
	This product is an active protein and may elicit a biological response in vivo, handle with caution.
<b>Reconstitution</b>	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, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

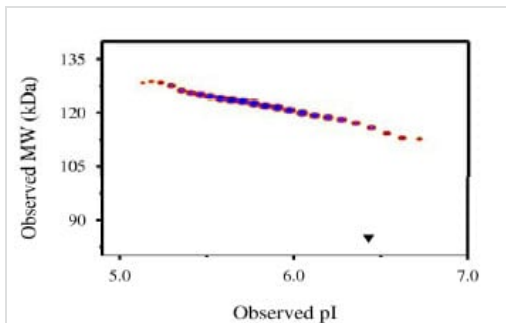
## General Info

---

<b>Function</b>	Receptor for the FL cytokine. Has a tyrosine-protein kinase activity.
<b>Tissue specificity</b>	Bone marrow cells.
<b>Sequence similarities</b>	Belongs to the protein kinase superfamily. Tyr protein kinase family. CSF-1/PDGF receptor subfamily.
	Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
	Contains 1 protein kinase domain.
<b>Cellular localization</b>	Membrane.

## Images

---

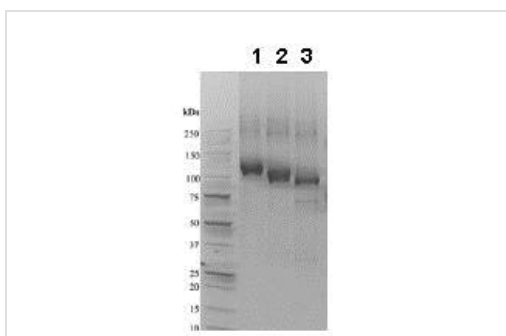


Functional Studies - Recombinant human Flt3 /  
CD135 protein (Fc Chimera Active) (ab83998)

Densitometry of protein isoforms visualised by 2-DE.

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

The triangle indicates the theoretical MW and pI of the protein.



SDS-PAGE - Recombinant human Flt3 / CD135  
protein (Fc Chimera Active) (ab83998)

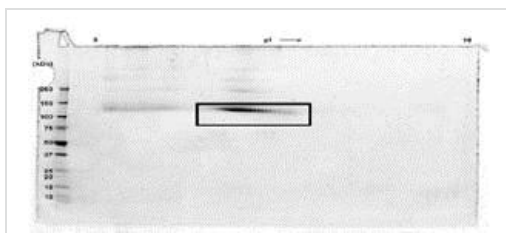
1D SDS-PAGE of ab83998 before and after treatment with glycosidases to remove oligosaccharides.

Lane 1: ab83998

Lane 2: ab83998 treated with PNGase F to remove potential N-linked glycans

Lane 3: ab83998 treated with a glycosidase cocktail to remove potential N- and O-linked glycans.

10 µg protein loaded per lane; Deep Purple™ stained.



SDS-PAGE - Recombinant human Flt3 / CD135  
protein (Fc Chimera Active) (ab83998)

A sample of ab83998 without carrier protein was reduced and alkylated and focused on a 3-10 IPG strip then run on a 4-20% Tris-HCl 2D gel. 40 µg protein loaded. Spot train indicates presence of multiple isoforms.

**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.com/abpromise> or contact our technical team.

#### **Terms and conditions**

---

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