

# Recombinant human CD116 protein (Fc Chimera) ab83993

画像数 2

### 製品の詳細

製品名	Recombinant human CD116 protein (Fc Chimera)
生理活性	ab83993 bound to protein A sepharose beads was able to pull down its ligand, GM-CSF.
精製度	> 95 % SDS-PAGE.
発現系	HEK 293 cells
アクセッション番号	<b>P15509</b>
タンパク質長	Full length protein
Animal free	No
由来	Recombinant
生物種	Human
配列	<p>Theoretical Sequence:</p> <p>EKSDLRTVAPASSLNVRFDSRTMNL SWDCQENTTF SKCFLTD KKNRVV EPRLSNNECSCTFREICLHEGVTFEVHVNTSQRGFQKLLYP NSGREG TAAQNFSCFIYNADLMNCTWARGPTAPRDVQYFLYIRNSKRR REIRCP YYIQDSGTHVGCHLDNLSGLTSRNYFLVNGTSREIGIQFFDS LLDTKK IERFNPPSNVTVRCNTTHCLVRWKQPRTYQKLSYLDFQYQLD VHRKNT QPGTENLLINVSGDLENRYNFPSSSEPRAKHSVKIRAADVRI L NWSSWS EAIEFGSDDGGSSNTKVDKKEPKCDKTHTCPPCPAPPELLG GPSVFL FPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV HNAKTK PREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPI EKTISK AKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVE WESNGQ PENNYKTTTPVLDSGDGSFFLYSKLTVDKSRWQQGNV FSCSV M HEALHN HYTQKSLSLSPGK</p>
配列の追加情報	Fusion of aa 1-320 of human GM-CSF Receptor alpha and aa 90-330 of Fc region of human

IgG1 (P01857). The chimeric protein was expressed in modified human 293 cells.

## 特性

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Our **Abpromise guarantee** covers the use of **ab83993** in the following tested applications.

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

### アプリケーション

SDS-PAGE

### 製品の状態

Lyophilized

### 備考

ab83993 bound to protein A sepharose beads was able to pull down its ligand, GM-CSF.  
This product was previously labelled as GM-CSF Receptor alpha

## 前処理および保存

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### 保存方法および安定性

Shipped at 4°C. Store at +4°C.

Constituents: 1% Human serum albumin, 10% Trehalose

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

### 再構成

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.

## 関連情報

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### 機能

Low affinity receptor for granulocyte-macrophage colony-stimulating factor. Transduces a signal that results in the proliferation, differentiation, and functional activation of hematopoietic cells.

### 関連疾患

Defects in CSF2RA are the cause of pulmonary surfactant metabolism dysfunction type 4 (SMDP4) [MIM:300770]. A rare lung disorder due to impaired surfactant homeostasis. It is characterized by alveolar filling with floccular material that stains positive using the periodic acid-Schiff method and is derived from surfactant phospholipids and protein components. Excessive lipoproteins accumulation in the alveoli results in severe respiratory distress.

### 配列類似性

Belongs to the type I cytokine receptor family. Type 5 subfamily.

### ドメイン

The WSXWS motif appears to be necessary for proper protein folding and thereby efficient intracellular transport and cell-surface receptor binding.  
The box 1 motif is required for JAK interaction and/or activation.

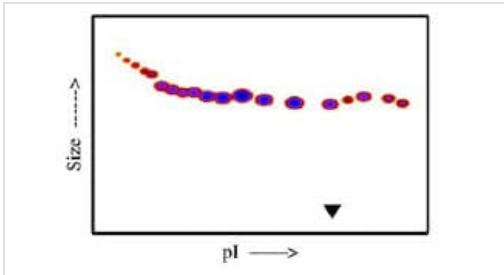
### 細胞内局在

Secreted and Cell membrane.

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## 画像

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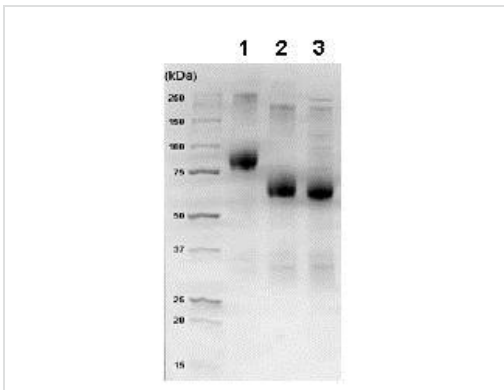


Functional Studies - Recombinant human CD116 protein (Fc Chimera) (ab83993)

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 CD116 protein (Fc Chimera) (ab83993)

1D SDS-PAGE of ab83993 before and after treatment with glycosidases to remove oligosaccharides.

Lane 1: ab83993

Lane 2: ab83993 treated with PNGase F to remove potential N-linked glycans

Lane 3: ab83993 treated with a glycosidase cocktail to remove potential N- and O-linked glycans.

Approximately 5 µg of protein was loaded per lane; Gel was stained using Deep Purple™.

Drop in MW after treatment with PNGase F indicates presence of N-linked glycans. A tightening of the band after treatment with the glycosidase cocktail indicates O-linked glycans may be present. Additional bands in lane 2 and lane 3 are glycosidase enzymes.

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

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