

Recombinant human GCSF Receptor protein (Fc Chimera) ab83994

画像数 1

製品の詳細

製品名	Recombinant human GCSF Receptor protein (Fc Chimera)
生理活性	The ED ₅₀ of ab83994 is typically 2-3 ng/ml as measured by its ability to neutralize GCSF mediated proliferation of the murine myeloblastic m-NFS-60 cell line.
精製度	> 95 % SDS-PAGE.
発現系	HEK 293 cells
アクセッション番号	<u>Q99062</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	<p>Theoretical Sequence:</p> <p>ECGHISVSAPIVHLGDPITASCIKQNCSHLDPEPQILWRLG AELQPG GRQQLSDGTQESIITLPHLNHTQAFLSCCLNWGNSLQILDQ VELRAG YPPAIPHNLSCLMNLTTSSLICQWEPGPETHLPTSFTLKSFK SRGNCQ TQGDSILDCVPKDGQSHCCIPRKHLLLYQNMGIWVQAENALG TSMSPQ LCLDPMDEVVKLEPPMLRTMDPSPEAAPPQAGCLQLCWEPWQP GLHINQ KCELRHKPQRGEASWALVGPLPLEALQYELCGLLPATAYTLQ IRCIRW PLPGHWSDWSPSLELRITTERAPTIVRLDTWWRQRQLDPRTVQL FWKPVP LEEDSGRIQGYVVSWRPSGQAGAILPLCNTTELSTFHLPS AQEVAL VAYNSAGTSRPTPVVFSESRGPALTRLHAMARDPHSLWVGWE PPNPWP QGYVIEWGLGPPSASNSNKTWRMEQNGRATGFLLENIRPFQ LYEIIIV</p>

TPLYQDTMGPSQHVVAYSQEMAPSHAPELHLKHIGKTWAQLE
 WVPEPP
 ELGKSPLTHYTIFFWTNAQNQSFSAILNASSRGFVLHGLEPAS
 LYHIHL
 MAASQAGATNSTVLTLMTLTPRSSNTKVDKKVEPKSCDKTHT
 CPPCPA
 PELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEV
 KFNWYV
 DGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKC
 KVSNKA
 LPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLV
 KGFYPS
 DIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRW
 QQGNVF SCSVMHEALHNHYTQKSLSLSPGK

領域	25 to 621
配列の追加情報	Encodes the signal peptide and extracellular domain of human G-CSF R (aa 1-621) was fused to the Fc region of human IgG1 (aa 90-330). The chimeric protein was expressed in modified human 293 cells.

特性

Our **Abpromise guarantee** covers the use of **ab83994** 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
	Functional Studies

製品の状態	Lyophilized
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前処理および保存

保存方法および安定性	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.
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

機能	Receptor for granulocyte colony-stimulating factor (CSF3), essential for granulocytic maturation. Plays a crucial role in the proliferation, differentiation and survival of cells along the neutrophilic lineage. In addition it may function in some adhesion or recognition events at the cell surface.
組織特異性	One or several isoforms have been found in myelogenous leukemia cell line KG-1, leukemia U-937 cell line, in bone marrow cells, placenta, and peripheral blood granulocytes. Isoform GCSFR-2 is found only in leukemia U-937 cells. Isoform GCSFR-3 is highly expressed in placenta.
関連疾患	Hereditary neutrophilia
配列類似性	Belongs to the type I cytokine receptor family. Type 2 subfamily.

Contains 5 fibronectin type-III domains.
Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

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.

画像



1D SDS-PAGE of ab83994 before and after treatment with glycosidases to remove oligosaccharides.

Lane 1: ab83994

Lane 2: ab83994 treated with PNGase F to remove potential N-linked glycans

Lane 3: ab83994 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 Coomassie.

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 that O-linked glycans may be present. Additional bands in lane 2 and lane 3 are glycosidase enzymes.

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