

Product datasheet

Recombinant human IL-3 protein ab83685

3 Images

Description

Product name	Recombinant human IL-3 protein
Biological activity	Activity: The ED ₅₀ of ab83685 is typically 0.1- 0.4 ng/ml as measured using the human growth factor dependent TF1 cell line.
Purity	> 95 % SDS-PAGE.
Expression system	HEK 293 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	Theoretical Sequence: APMTQTTS�KTSWVNCNMIIDEIITHLKQPPLPLLDFFNNLN GEDQDILME NNLRRPN LEAFNRAVKSLQNASAIESILKNLLPCLPLATAAPTRHPIH IKGDWNEFRRKLTfYL KTLENAQAQQTTLsLAIF

Specifications

Our [Abpromise guarantee](#) covers the use of **ab83685** in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C. Constituents: PBS, 1% Human serum albumin, 10% Trehalose This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. 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

Function

Granulocyte/macrophage colony-stimulating factors are cytokines that act in hematopoiesis by controlling the production, differentiation, and function of 2 related white cell populations of the blood, the granulocytes and the monocytes-macrophages.

This CSF induces granulocytes, macrophages, mast cells, stem cells, erythroid cells, eosinophils and megakaryocytes.

Tissue specificity

Activated T-cells, mast cells, natural killer cells.

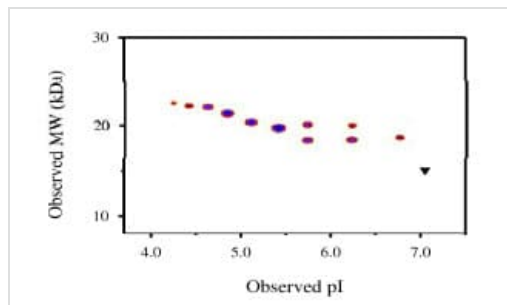
Sequence similarities

Belongs to the IL-3 family.

Cellular localization

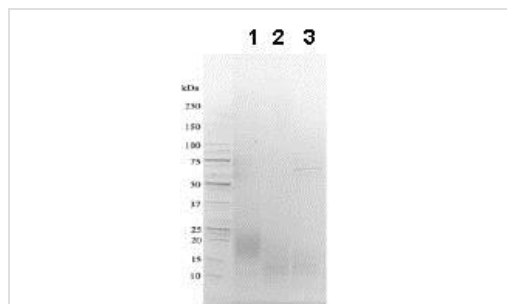
Secreted.

Images



Densitometry of protein isoforms visualised by 2-DE. The triangle indicates the theoretical MW and pI of the protein.

Functional Studies - Recombinant human IL-3 protein (ab83685)



1D gel data:

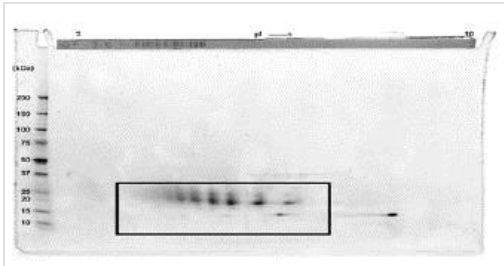
Lane 1 ab83685

Lane 2 ab83685 treated with PNGase F to remove potential N-linked glycans

Lane 4 ab83685 treated with a glycosidase cocktail to remove potential N- and O-linked glycans.

5 µg protein loaded per lane; Deep Purple™ stained. Drop in MW after treatment with PNGase F indicates presence of N-linked glycans. Faint bands in lane 2 and lane 3 are glycosidase enzymes.

SDS-PAGE - Recombinant human IL-3 protein (ab83685)



SDS-PAGE - Recombinant human IL-3 protein
(ab83685)

2D gel data:

A sample of ab83685 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 per lane; Deep Purple™ stained. Spot train indicates presence of multiple isoforms of ab83685.

Spots within the spot train were cut from the gel and identified as IL-3 by protein mass fingerprinting.

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

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