

Product datasheet

Recombinant human LIF protein (Animal Free) ab188052

Description

Product name	Recombinant human LIF protein (Animal Free)	
Biological activity	The activity is determined by its ability to induce proliferation of TF-1 cells and is typically less than 0.07 ng/mL.	
Purity	≥ 98 % SDS-PAGE.	
Endotoxin level	≤ 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	P15018	
Protein length	Full length protein	
Animal free	Yes	
Nature	Recombinant	
Species	Human	
Sequence	SPLPITPVNATCAIRHPCHN NLMNQIRSQLAQLNGSANAL FILYYTAQGEFPNNDKLC GPNVTDFFPFHANGTEKAKL VELYRMVYLGTS LGNITRD QKILNPSALS LHSKLNATAD ILRGLLSNVLCRLCSKYHVG HVDVTYGPDTS GDKDVFQKKK LGCQLLGKYKQIIAVLAQAF	
Predicted molecular weight	20 kDa	
Amino acids	23 to 202	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab188052** 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
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Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at -20°C long term. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA).

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

Reconstitution

Centrifuge vial before opening. When reconstituting the product, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution. It is recommended to reconstitute the lyophilized product with sterile 10 mM acetic acid (AcOH) at a concentration of 0.1 mg/mL, which can be further diluted into other aqueous solutions. Reconstituted material should be aliquoted and frozen at -20°C.

General Info

Function

LIF has the capacity to induce terminal differentiation in leukemic cells. Its activities include the induction of hematopoietic differentiation in normal and myeloid leukemia cells, the induction of neuronal cell differentiation, and the stimulation of acute-phase protein synthesis in hepatocytes.

Sequence similarities

Belongs to the LIF/OSM family.

Cellular localization

Secreted.

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

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- 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
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- We investigate all quality concerns to ensure our products perform to the highest standards

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