



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## GFM17AF Recombinant Mouse IL-2 (Animal-Free)

### Description

Interleukin-2 (IL-2) is an immunomodulatory cytokine that is produced by lymphocytes. IL-2 signals through the IL-2R receptor to induce activated T cell proliferation and promote T cell differentiation. IL-2 also stimulates the proliferation and differentiation of B cells, Natural Killer cells, monocytes, and macrophages.

This product is produced with no animal derived raw products. All processing and handling employs animal free equipment and animal free protocols.

<b>Length</b>	150 aa
<b>Molecular Weight</b>	17.4 kDa
<b>Source</b>	E. coli
<b>Accession Number</b>	P04351
<b>Purity</b>	≥95% determined by reducing and non-reducing SDS-PAGE

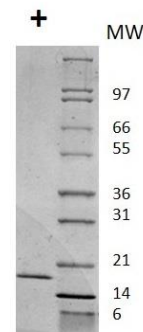
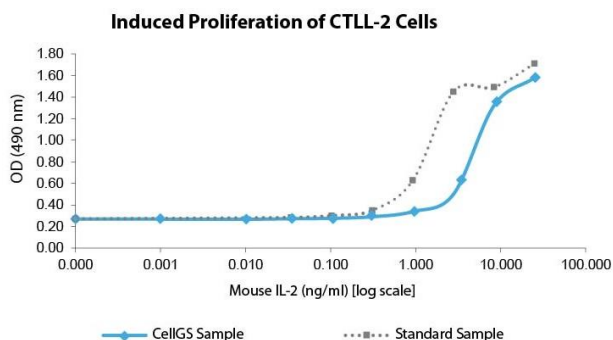
### Specifications

<b>Alternative Names</b>	Interleukin-2, interleukin 2, IL2, IL 2, T cell growth factor, TCGF, Aldesleukin
<b>Biological Activity</b>	Mouse IL-2 is fully biologically active when compared to standard. The activity is determined by the ability to induce CTLL-2 cells proliferation and it is typically less than 5 ng/ml. This corresponds to an expected specific activity of $2 \times 10^5$ units/mg.
<b>Endotoxin Level</b>	≤1.00 EU/μg as measured by kinetic LAL
<b>Formulation</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium citrate, pH 4.0
<b>AA Sequence</b>	MAPTSSSTSS STAEAAQQQQQ QQQQQQQHLE QLLMDLQELL SRMENYRNLK LPRMLTFKFY LPKQATELKD LQCLEDELGP LRHVLDLTQS KSFQLEDAEN FISNIRVTVV KLKGSNDTFE CQFDDSATV VDFLRRWIAF CQSIISTSPQ

### Preparation and Storage

<b>Reconstitution</b>	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 at 0.1 mg/ml, which can be further diluted into other aqueous solutions.
<b>Stability and Storage</b>	12 months from date of receipt when stored at -20°C to -80°C as supplied. 1 month when stored at 4°C after reconstituting as directed. 3 months when stored at -20°C to -80°C after reconstituting as directed.

### Data



Induced proliferation of CTLL-2 cells for Mouse IL-2. Cell proliferation was measured to calculate the ED50, which is as expected less than 5 ng/ml.

Reducing (+) conditions in a 4 - 20% Tris-Glycine gel stained with Coomassie Blue, 1 μg of protein was loaded. Mouse IL-2 has a predicted Mw of 17.4 kDa.