



# 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)

## Datasheet

### TNF (Human) Recombinant Protein

**Catalog Number:** P9234

**Regulation Status:** For research use only (RUO)

**Product Description:** Human TNF recombinant protein expressed in *Escherichia coli*.

**Sequence:**

MRKRKPVAVHVVANPQAEGLQLQWLNRRANALLANGVE  
LRDNQLVVPSEGLYLIYSQVLFKGGQCPSTHVLLTHTI  
SRIAVSYQTKVNLLSAIKSPCQRETPEGAEAKPWYEPI  
YLGGVFQLEKGDRLSAEINRPDYLDFAESGQVYFGIIA  
F.

**Host:** *Escherichia coli*

**Theoretical MW (kDa):** 16.6

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product  
page for detailed protocols

**Form:** Lyophilized

**Preparation Method:** *Escherichia coli* expression  
system

**Purification:** chromatographic

**Purity:** > 95% as determined by (a) RP-HPLC.(b) SDS-  
PAGE.

**Activity:** ED<sub>50</sub> < 0.05 ng/mL, measured by the cytolysis  
of murine L929 cells in the presence of Actinomycin D,  
corresponding to a specific activity of 2.0 x 10<sup>7</sup> IU/mg.

**Storage Buffer:** The protein after extensive dialysis  
against was lyophilized in 0.5X PBS, pH 7.0.  
Reconstitute the lyophilized powder in ddH<sub>2</sub>O to 100  
ug/mL.

**Storage Instruction:** Lyophilized protein at room  
temperature for 3 weeks, should be stored at -20°C.  
Protein aliquots at 4°C for 2-7 days and should be stored  
at -20°C to -80°C. For long term storage it is  
recommended to add a carrier protein (0.1% HSA or  
BSA).  
Avoid repeated freeze/thaw cycles.

**Entrez GeneID:** 7124

**Gene Symbol:** TNF

**Gene Alias:** DIF, TNF-alpha, TNFA, TNFSF2

**Gene Summary:** This gene encodes a multifunctional proinflammatory cytokine that belongs to the tumor necrosis factor (TNF) superfamily. This cytokine is mainly secreted by macrophages. It can bind to, and thus functions through its receptors TNFRSF1A/TNFR1 and TNFRSF1B/TNFR2. This cytokine is involved in the regulation of a wide spectrum of biological processes including cell proliferation, differentiation, apoptosis, lipid metabolism, and coagulation. This cytokine has been implicated in a variety of diseases, including autoimmune diseases, insulin resistance, and cancer. Knockout studies in mice also suggested the neuroprotective function of this cytokine. [provided by RefSeq]