



# SZABO SCANDIC

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## 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

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## Recombinant Human Epidermal Growth Factor (EGF)

**CLY100-26-100UG**  
**CLY100-26-500UG**  
**CLY100-26-1MG**  
**CLY100-26-5MG**

**Description:** A neurotrophic factor that promotes the survival of various neuronal cell types and may play an important role in the injury response in the nervous system. Recombinant Human Epidermal Growth Factor produced in *E. Coli* is a single, non-glycosylated, polypeptide chain containing 53 amino acids and having a molecular mass of 6222 Dalton.

**Presentation:** 100 µg (**CLY100-26-100UG**), 500 µg (**CLY100-26-500UG**), 1 mg (**CLY100-26-1MG**) or 5 mg (**CLY100-26-5MG**), sterile filtered white lyophilized (freeze-dried) powder. The EGF is lyophilized with no additives.

**Source:** *E.coli*

**Reconstitution:** It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions.

**Stability:** Lyophilized product is very stable at -20°C. Reconstituted material should be aliquoted and frozen at -20°C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

**Purity:**

Greater than 95% as determined by:  
Analysis by HPLC.  
Reducing and non-reducing SDS-PAGE.  
UV Spectroscopy at 280 nm

**Endotoxin Level:** Endotoxin level as measured by LAL is 0.05 EUs/µg (with a 50% confidence range).

**Protein Content determined by:**

UV spectroscopy at 280 nm.  
Analysis by RP-HPLC calibrated against a known standard.  
Quantitation on SDS-PAGE against a known standard.

**Biological Activity:** Recombinant Human Epidermal Growth Factor is fully biologically active when compared to standards. The ED<sub>50</sub>, calculated by the dose-dependant proliferation of murine BALB/c 3T3 cells is 45.9 pg/mL.

**AA Sequence:**

NSDSECLSH DGYCLHDGVC MYIEALDKYA CNCVVG YIGE RCQYRDLKWW ELR

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