



# 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

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## Product Information

<b>Description:</b>	Recombinant human EGF (Epidermal Growth Factor), encompassing amino acids 971-1023. This protein was affinity purified.
<b>Background:</b>	EGF (Epidermal Growth Factor) is a growth factor of the EGF family, involved in cell growth and differentiation. It binds to EGFR (EGF receptor) with high affinity, inducing the formation of a dimer with tyrosine kinase activity able to regulate downstream signaling pathways. Abnormal expression of EGF and hyperactivation of EGFR can result in multiple diseases, ranging from psoriasis to schizophrenia. EGFR activation is also involved in cancer, with multiple strategies aimed at its inhibition. EGF can be used in the treatment of diabetic foot ulcers due to its wound healing roles. It has also attracted interest as a skin anti-aging product, as it can stimulate fibroblasts to produce collagen and elastin. EGF is thus a protein with multiple clinically relevant applications, and further studies will bring its importance to light.
<b>Species:</b>	Human
<b>Construct:</b>	EGF (971-1023)
<b>Expression System:</b>	<i>E. coli</i>
<b>Purity:</b>	≥90%
<b>Format:</b>	Powder.
<b>Formulated In:</b>	Lyophilized from a sterile filtered solution containing 10 mM Phosphate Buffered Saline (PBS), pH 7.4, 138 mM NaCl, and 2.7 mM KCl.
<b>Reconstitution:</b>	Perform a quick spin of the vial prior to reconstitution. Reconstitute in distilled water at 1 mg/ml.
<b>Endotoxin:</b>	< 1EU per µg of EGF
<b>MW:</b>	6.2 kDa
<b>Genbank Accession:</b>	NM_001963
<b>Stability:</b>	At least 6 months at -80°C.
<b>Storage:</b>	-80°C
<b>Instructions for Use:</b>	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Reconstitute and aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
<b>Applications:</b>	Useful for SDS-PAGE.

## Quality Control Data

## 4-20% SDS-PAGE Coomassie Staining

