



# 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

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## Datasheet

### GDNF (Human) Recombinant Protein

**Catalog Number:** P9414

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

**Product Description:** Human GDNF (P39905, 78 a.a. - 211 a.a.) partial recombinant protein expressed in *Escherichia coli*.

**Sequence:**

SPDKQMAVLPRRERNRQAAAANPENSRGKGRRGQR  
GKNRGCVLTAIHLNVTDLGLGYETKEELIFRYCSGSCD  
AAETTYDKILKNLSRNRRLVSDKVGQACCRPIAFDDDL  
SFLDDNLVYHILRKHSKRKCGCI

**Host:** *Escherichia coli*

**Theoretical MW (kDa):** 15.06

**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

**Purity:** > 95.0% by SDS-PAGE

**Recommend Usage:** Biological Activity

SDS-PAGE

The optimal working dilution should be determined by the end user.

**Storage Buffer:** Lyophilized from sterile distilled Water is > 100 ug/mL

**Storage Instruction:** Store at 2°C to 8°C for 1 week.

For long term storage, aliquot and store at -20°C to -80°C.

Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 2668

**Gene Symbol:** GDNF

**Gene Alias:** ATF1, ATF2, HFB1-GDNF

**Gene Summary:** This gene encodes a highly conserved neurotrophic factor. The recombinant form of this protein was shown to promote the survival and differentiation of dopaminergic neurons in culture, and was able to prevent apoptosis of motor neurons induced by axotomy. The encoded protein is processed to a mature secreted form that exists as a homodimer. The mature form of the protein is a ligand for the product of the RET (rearranged during transfection) protooncogene. In addition to the transcript encoding GDNF, two additional alternative transcripts encoding distinct proteins, referred to as astrocyte-derived trophic factors, have also been described. Mutations in this gene may be associated with Hirschsprung disease. [provided by RefSeq]