



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### GDNF (Human) Recombinant Protein (P01)

**Catalog Number:** H00002668-P01

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

**Product Description:** Human GDNF full-length ORF ( NP\_000505.1, 1 a.a. - 211 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MKLWDVVAVCLVLLHTASAFPLPAGKRPEEAPAE  
DRS LGRRRAPFALSSDSNMPEDYDPQFDDVMDFIQATIKR  
LKRSPDKQMAVLP RRERNRQAAAANPENS  
RGKGRGRRG QRGKNRGCVLTAIHLNVTDLGLG  
YETKEELIFRYCSGS CDAAETTYDKILKNLS  
RNRRLVSDKVGQACCRPIAFDD DLSFLDDNLV  
YHILRKHS AKRCGCI

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 50.1

**Interspecies Antigen Sequence:** Mouse (93); Rat (93)

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

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

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -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]