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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

GDNF (Human) Recombinant Protein

Catalog Number: P9398

Regulation Status: For research use only (RUO)

Product Description: Human GDNF (P39905, 77 a.a. - 211 a.a.) partial recombinant protein expressed in *Escherichia coli*.

Sequence:

MSPDKQMAVLPRRERNRQAAAAANPENSRGKGRRGQ
RGKNRGCVLTAIHLNVTDLGLGYETKEELIFRYCSGSC
DAAETTYDKILKNLSRNRRLVSDKVGQACCRPIAFDDD
LSFLDDNLVYHILRKHSKRCGCI

Host: *Escherichia coli*

Theoretical MW (kDa): 30

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

Activity: The ED₅₀ is < 0.1 ng/mL was determined by
the proliferation of rat C6 cells, corresponding to a
specific activity of > 1.0 x 10⁷ units/mg.

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]