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See the following pages for more information!

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:
MSPDKQMAVLPRRERNRQAAAANPENSRGKGRRGQ
RGKNRGCVLTAIHLNVTDLGLGYETKEELIFRYCSGSC
DAAETTYDKILKNLSRNRRLVSDKVGQACCRPIAFDDD
LSFLDDNLVYHILRKHSAKRCGCI

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 ED_{50} is < 0.1 ng/mL was determined by the proliferation of rat C6 cells, corresponding to a specific activity of > 1.0 x 10^7 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]