

# Recombinant Human GDNF Protein

Catalog No.: RP02517 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	2668	P39905

### Tags

C-His

### Synonyms

GDNF;ATF;ATF1;ATF2;HFB1-GDNF;HSCR3

## Product Information

Source	Purification
<i>E. coli</i>	> 95% by SDS-PAGE.

### Endotoxin

<0.1EU/μg

### Formulation

Lyophilized from a 0.22 μm filtered solution of 20 mM sodium citrate, 0.2 M NaCl, pH 3.5.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

Glial cell-derived neurotrophic factor (GDNF) is a protein that, in humans, is encoded by the GDNF gene. GDNF is a small protein that potently promotes the survival of many types of neurons. GDNF, that acts via classical neurotrophic mechanism, has been effective in several pre-clinical models of PD and had some efficacy in parkinsonian patients.

## Basic Information

### Description

Recombinant Human GDNF Protein is produced by Escherichia coli expression system. The target protein is expressed with sequence of Human GDNF fused with polyhistidine tag at the C-terminus

### Bio-Activity

Measured by its ability to inhibit proliferation in SH-SY5Y cells. The ED<sub>50</sub> for this effect is <10 ng/mL.

### Storage

Store the lyophilized protein at -20°C to -80°C for long term.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

## Contact

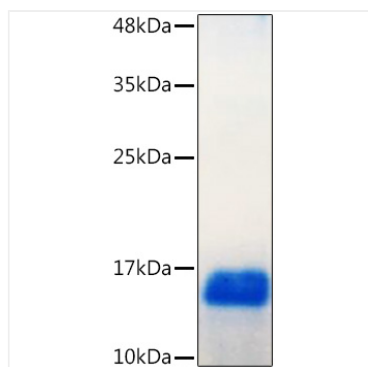
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## Validation Data

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Recombinant Human GDNF Protein was determined by SDS-PAGE with Coomassie Blue, showing bands at 16 kDa.