

RP02517

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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

E. coli

Purification

> 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 ED₅₀ for this effect is <10 ng/mL.

Storage

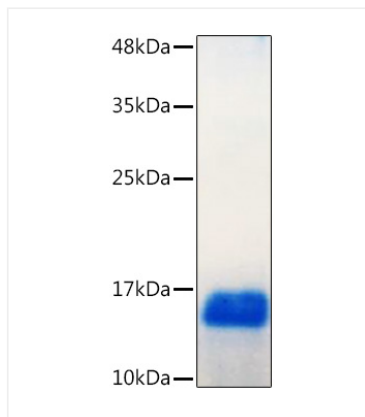
Store the lyophilized protein at -20°C to -80°C for long term. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



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