

## Glial derived Neurotrophic Factor (GDNF) Human E. coli

### Product Data Sheet

<b>Type:</b> Recombinant	<b>Cat. No.:</b>	
<b>Source:</b> E. coli	RP1763050002	(2 µg)
<b>Species:</b> Human	RP1763050010	(10 µg)
	RP1763051000	(1 mg)

### Description

Glial derived Neurotrophic Factor Human Recombinant produced in E.coli is a homodimer, non-glycosylated, polypeptide chain containing 2x135 amino acids and having a total molecular mass of 30,360 Dalton. GDNF is purified by proprietary chromatographic techniques.

### Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ser-Pro-Asp-Lys.

### Source

E. coli

### Purity

Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. © Analysis by SDS-PAGE.

### Biological Activity

The ED50, calculated by the dose-dependant dopamin uptake in rat mesencephalic cultures was found to be 5-10 ng/ml.

### Formulation

GDNF was lyophilized after dialysis against 10 mM sodium citrate and 150 mM NaCl.

### Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

### Storage, Stability/Shelf Life

Lyophilized Glial-derived Neurotrophic Factor although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GDNF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please prevent freeze-thaw cycles.**

### Physical Appearance

Sterile filtered White lyophilized (freeze-dried) powder.

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