

# Human GDNF Recombinant Protein



RPPB0295

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## Product Information    Protein Information

**Product SKU:**

RPPB0295

**Accession:**

P39905

**Host:**

Escherichia Coli.

**Protein description:**

Glial derived Neurotrophic Factor Human Recombinant produced in E.Coli is a non-glycosylated disulfide-linked homodimer containing 2 x 135 amino acids and having a total molecular mass of approximately 30kDa. GDNF is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

ATF1, ATF2, HFB1-GDNF, GDNF.

**Formulation:**

GDNF was lyophilized from a 0.2µm filtered concentrated solution in 1×PBS, pH 7.4.

**Purity:**

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Glial Derived Neurotrophic Factor in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

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.

**Amino Acid Sequence:**

MSPDKQMAVL PRRERNRQAA AANPENSRGK GRRGQRGKNR GCVLTAIHLN VTDLGLGYET KEELIFRYCS  
GSCDAAETTY DKILKNLSRN RRLVSDKVGQ ACCRPIAFDD DLSFLDDNLV YHILRKHSAK RCGCI.

**Biological Activity:**

The ED50 was determined by the proliferation of rat C6 cells is < 0.1 ng/ml, corresponding to a specific activity of > 1.0x10<sup>7</sup> units/mg.