

Mouse GDNF Recombinant Protein



RPPB0296

Product Information Protein Information

Product SKU:

RPPB0296

Accession:

P48540

Host:

Escherichia Coli.

Protein description:

Glial derived Neurotrophic Factor Mouse Recombinant produced in E.Coli is a non-glycosylated homodimer containing 2 x 135 amino acids and having a total molecular mass of 30.2kDa. 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 with no additives.

Purity:

Greater than 98.0% as determined by analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Glial Derived Neurotrophic Factor in sterile 18MΩ-cm H₂O 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:

MSPDKQAAL PRRENRRQAA AASPENSRGK GRRGQRGKNR GCVLTAIHLN VTDLGLGYET KEELIFRYCS
GSCSAETMY DKILKNLSRS RRLTSKVGQ ACCRPVAFDD DLSFLDDNLV YHILRKHS AK RCGCI.

Biological Activity:

The ED₅₀ as determined by the dose-dependent proliferation of C6 cells, is 0.8-0.12µg/ml.