



Murine GDNF

Synonyms: ATF1, ATF2, HFB1-GDNF, GDNF.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order#	Lot#	Expiry Date
2 µg	1440.960.002		
10 µg	1440.960.010		
100 µg	1440.960.100		
1 mg	1440.960.199		

Please enquire for bulk quantities and other vial sizes.

Description

Glial derived Neurotrophic Factor Murine Recombinant produced in *E.Coli* is a non-glycosylated homodimer containing 2 x 135 amino acids and having a total molecular mass of 30.2 kDa.

- **Source** *E. coli*
- **Purity** ≥ 98 % (SDS-PAGE)
- **Endotoxin Level** ≤ 0.1 ng/µg (≤ 1 EU/µg)
- **Buffer** GDNF was lyophilized with no additives*
- **Physical State** Sterile filtered, lyophilized

Biological Activity

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

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. **Do not vortex.**

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, order number: 2835.955.xyz or 2835.958.xyz, or BSA, order number: 2835.919.xyz). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

MSPDKQAALP RRENRRQAA AASPENSRGK GRRGQRGKNR GCVLTAIHLN VTDLGLGYET KEELIFRYCS
 GSCESAETMY DKILKNLSRS RRLTSDKVGQ ACCRPVAFDD DLSFLDDNLV YHILRKHS AK RCGCI

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.