

Recombinant Murine Glial Cell Line-derived Neurotrophic Factor

#R00277

Size:
10 µg/100 µg/500 µg

Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.

- 1 month, 2 to 8 °C under sterile conditions after reconstitution.

- 3 months, -20 to -70 °C under sterile conditions after reconstitution.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

AA Sequence

SPDKQAAALPRRERNRQAAAASPENSRGKGRRGQR
GKNRGCVLTAIHLNVTDLGLGYETKEELIFRYCSGSC
ESAETMYDKILKNLSRRLTSDKVGQACCRPVAFD
DDLSFLDDNLVYHILRKHSARKCGCI

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Product Specification

Accession	P48540
GeneID	14573
Species	Murine
Source	Escherichia coli.
Molecular Weight	Approximately 29.9 kDa, a homodimeric protein consisting of two 134 amino acid non-glycosylated polypeptide chains.
Purity	> 95 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by a cell proliferation assay using rat C6 cells is less than 0.2 ng/ml, corresponding to a specific activity of > 5.0 × 10 ⁶ IU/mg.

Physical Appearance Formulation	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4, with 0.05 % Tween-20.
Endotoxin	Less than 0.1 EU/µg of rMuGDNF as determined by LAL method.