



Recombinant Human GDNF

Datasheet

Catalog Number: PR27022

Product Type: Recombinant Protein

Source: E. Coli

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.

Description/Molecular Mass: Glial derived Neurotrophic Factor Human Recombinant produced in E.Coli is a homodimer, non-glycosylated, polypeptide chain containing 2 x 135 amino acids and having a total molecular mass of 30,360 Dalton. GDNF is purified by proprietary chromatographic techniques.

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

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

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

Reconstitution: It is recommended to reconstitute the lyophilized Glial Derived Neurotrophic Factor in sterile 18MO-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Storage: 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 avoid freeze-thaw cycles.

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