



Catalog Number: PR29004

Product Type: Recombinant Protein

Source: *E. Coli*

Amino Acid Sequence: MSPDKQMAVL PRRERNRQAA AANPENSRGK GRRGQRGKNR GCVLTAIHLN
VTDLGLGYET KEELIFRYCS GSCDAAETTY DKILKNLSRN RRLVSDKVGQ
ACCRPIAFDD DLSFLDDNLV YHILRKHSAK RCGCI

Description: hGDNF produced in *E. coli* is a homodimer, non-glycosylated, polypeptide chain that contains 2 x 135 amino acids and has a total molecular mass of 30.36 kDa.

Protein Content determined by: UV spectroscopy at 280 nm.
Analysis by RP-HPLC calibrated against a known standard.
Quantitation on SDS-PAGE against a known standard..

Activity: hGDNF is fully biologically active when compared to a standard. The ED₅₀, calculated by the dose-dependent dopamine uptake in rat mesencephalic cultures, was found to be 4-8 ng/ml.

Endotoxin Level: As measured by LAL is <0.01ng/ug or <0.1EU/ug.

Purity: >98% as determined by:
Analysis by RP-HPLC.
Reducing and non-reducing SDS-PAGE

Format: hGDNF was lyophilized from a sterile solution containing 10 mM sodium citrate and 100 mM sodium chloride, (pH 4.0).

Reconstitution: It is recommended to reconstitute the lyophilized product with sterile water a concentration of 0.1 mg/ml. It can be further diluted into other aqueous solutions.

Shipping Conditions: Can be shipped ambient. Product should be stored at -20° C upon receipt.

Storage: Product is stable for up to 3 years from manufacturing date, when stored lyophilized at -20° C. Reconstituted material should be aliquoted and frozen at -20° C. It is Recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

Avoid multiple freeze-thaw cycles

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