

Human CDNF Recombinant Protein



RPPB0123

Product Information Protein Information

Product SKU:

RPPB0123

Accession:

Q49AH0

Host:

Escherichia Coli.

Protein description:

CDNF Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 161 amino acids and having a molecular mass of 18.5kDa. The CDNF is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Cerebral neurotrophic factor, arginine-rich, mutated in early stage tumors-like 1, Conserved neurotrophic factor, ARMET-like protein 1, ARMETL1.

Formulation:

CDNF protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4.

Purity:

Greater than 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized CDNF in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized CDNF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CDNF 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:

QEAGGRPGAD CEVCKEFLNR FYKSLIDRGV NFSLDTIEKE LISFCLDTKG KENRLCYLGG ATKDAATKIL
SEVTRPMSVH MPAMKICEKL KKLDSQICEL KYEKTLDLAS VDLRKMVRAE LKQILHSWGE ECRACAECTD
YVNLIQELAP KYAATHPKTE L

Biological Activity:

The ED₅₀ as determined by its ability to stimulate the proliferation of rat C6 cells is 15-25µg/ml, corresponding to a specific activity of 40-67units/mg.