

Human CDNF

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	3010.950.005		
20 µg	3010.950.025		
100 µg	3010.950.100		
1 mg	3010.950.199		

Please enquire for bulk quantities and other vial sizes

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.

- **Biological Activity** 40-67units/mg
- **Source** *E. Coli*
- **Purity** ≥ 96 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** CDNF protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4*
- **Physical state** Sterile filtered, lyophilized

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.

Reconstitution

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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

QEAGGRPGAD CEVCKEFLNR FYKSLIDRGV NFSLDTIEKE LISFCLDTKG KENRLCYYLG ATKDAATKIL
 SEVTRPMSVH MPAMKICEKL KKLDSQICEL KYEKTLDLAS VDLRKMRAE LKQILHSWGE ECRACAEKTD
 YVNLIQELAP KYAATHPKTE L

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.

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