

Cerebral Neurotrophic Factor Human Recombinant

Item Number	rAP-2660
Synonyms	Cerebral neurotrophic factor, arginine-rich, mutated in early stage tumors-like 1, Conserved neurotrophic factor, ARMET-like protein 1, ARMETL1.
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.
Uniprot Accession Number	Q49AH0
Amino Acid Sequence	QEAGGRPGAD CEVCKEFLNR FYKSLIDRGV NFSLDTIEKE LISFCLDTKG KENRLCYYLG ATKDAATKIL SEVTRPMSVH MPAMKICEKL KKLDSEQICEL KYEKTLDLAS VDLRKMRVAE LKQILHSWGE ECRA-CAEKTD YVNLIQELAP KYAATHPKTE L
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. 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.
Formulation and Purity	CDNF protein was lyophilized from a 0.2µm filtered concentrated solution in 1xPBS, pH 7.4. Greater than 96.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized CDNF in sterile 18M-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The ED ₅₀ 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.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**