

## Rat CDNF

Synonyms: Cerebral neurotrophic factor, ARMET-like protein 1, Arginine-rich protein mutated in early stage tumors-like 1, Conserved neurotrophic factor, Cdnf, Armetl1.

*PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING*

Size	Order #	Lot #	Expiry Date
5 µg	3010.970.005		
20 µg	3010.970.020		
1 mg	3010.970.199		

Please enquire for bulk quantities and other vial sizes

### Description

CDNF Rat Recombinant produced in *E.coli* is a single, non-glycosylated polypeptide chain containing 163 amino acids and having a molecular mass of 18.8kDa.

- **Source** *E. Coli*
- **Purity** ≥ 97 % (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

CDNF Rat is able to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons when immobilized at 5-25 µg/mL on a nitrocellulose-coated microplate.

### Reconstitution

It is recommended to reconstitute the lyophilized CDNF in sterile 18M-cm H<sub>2</sub>O 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

QGLEAGVRSR ADCEVCKEFL NRFYNSLLTR GIDFSVDTIE EELISFCADT KGKENRLCYY LGATKDSATK  
 ILGEVTRPMS VHMPTVKICE KLKMDSQIC ELKYEKLDL ESDVLWKMRV AELKQILHSW GEECRACA EK  
 HDYVNLIKEL APKYVETRPQ TEL

**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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