

Murine CDNF

Synonyms: Cerebral dopamine neurotrophic factor, ARMET-like protein 1, Conserved dopamine neurotrophic factor, Cdnf, Armet1, 9330140G23.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
5 µg	3010.960.005		
20 µg	3010.960.020		
1 mg	3010.960.199		

Please enquire for bulk quantities and other vial sizes

Description

CDNF Murine Recombinant produced in *E.coli* is a single, non-glycosylated polypeptide chain containing 163 amino acids and having a molecular mass of 18.5kDa.

- **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 Mouse is able to enhance neurite outgrowth of E16-E18 rat embryonic cortical neurons when immobilized at 5-30 µg/mL on a nitrocellulose-coated microplate.

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

QGLEAGVGPR ADCEVCKEFL DRFYNSLLSR GIDFSADTIE KELLNFCSDA KGKENRLCYY LGATTTDAATK
 ILGEVTRPMS VHIPAVKICE KLKMDSQIC ELKYGKKLDL ASVDLWKMRV AELKQILQRW GEECRACA EK
 SDYVNLIREL APKYVEIYPQ 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.

ORDERING
 Tel.: +49 40 43208448-0
 order@active-bioscience.de
 www.active-bioscience.de

TECHNICAL SUPPORT
 Tel.: +49 40 43208448-11
 support@active-bioscience.de

Active Bioscience GmbH
 Oberaltenallee 8
 D-22081 Hamburg
 HRB 98170 Amtsgericht Hamburg