

Rat CDNF Recombinant Protein



RPPB0125

Product Information Protein Information

Product SKU:

RPPB0125

Accession:

POC5I0

Host:

Escherichia Coli.

Protein 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. The CDNF is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Cerebral neurotrophic factor, ARMET-like protein 1, Arginine-rich protein mutated in early stage tumors-like 1, Conserved neurotrophic factor, Cdnf, Armet1.

Formulation:

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

Purity:

Greater than 97.0% 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:

QGLEAGVRSR ADCEVCKEFL NRFYNLLTR GIDFSVDTIE EELISFCADT KGKENRLCY Y LGATKDSATK
ILGEVTRPMS VHMPVKICE KLKQMDSQIC ELKYEKLDL ESDVLWKMRV AELKQILHSW GEECRACAEK
HDYVNLIKEL APKYVETRPQ TEL.

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.