

Recombinant Rat Cerebral Dopamine Neurotrophic Factor

Information

Gene ID	361276
Accession #	P0C5I0
Alternate Names	
Source	Escherichia coli.
M.Wt	Approximately 18.8 kDa, a single non-glycosylated polypeptide chain containing 163 amino acids.
AA Sequence	QGLEAGVRSR ADCEVCKEFL NRFYNSLLTR GIDFSVDIT EELISFCADT KGKENRLCYY LGATKDSATK ILGEVTRPMS VHMPTVKICE KLKKMDSQIC ELKYEKKLDL ESDLVWKM RV AELKQILHSW GEECRACA EK HDYVNLIKEL APKYVETRPQ TEL
Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles - 12 months from date of receipt, -20 to -70 °C as supplied - 1 month, 2 to 8 °C under sterile conditions after reconstitution - 3 months, -20 to -70 °C under sterile conditions after reconstitution
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.
Biological Activity	Fully biologically active when compared to standard. It 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.
Shipping Condition	Gel pack.
Handling	Centrifuge the vial prior to opening.
Usage	For Research Use Only! Not to be used in humans.

Components and Storage

Components	5µg	100µg	500µg
Recombinant Rat Cerebral Dopamine Neurotrophic Factor	5µg	100µg	500µg

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- 3 months, -20 to -70 °C under sterile conditions after reconstitution

Quality Control

Purity	> 97 % by SDS-PAGE and HPLC analyses.
Endotoxin	Less than 0.1 EU/μg of rRtCDNF as determined by LAL method.

Description

Reference

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