

Recombinant Rat Cerebral Dopamine Neurotrophic Factor

#R00338

Size: 5 µg/100 µg/500 µg

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.



Warning: This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

AA Sequence

QGLEAGVRSRADCEVCKEFLNRFYNLLTRGIDFSVD
TIEEELISFCADTKGKENRLCYLGGATKDSATKILGEVT
RPMSVHMPTVKICEKLKKMDSQICELKYEKKLDLESV
DLWKMRVAELKQILHSWGEECRACAEKHDYVNLIKE
LAPKYVETRPQTEL

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.

Product Specification

Accession	P0C5I0
GeneID	361276
Species	Rat
Source	Escherichia coli.
Molecular Weight	Approximately 18.8 kDa, a single non-glycosylated polypeptide chain containing 163 amino acids.
Purity	> 97 % by SDS-PAGE and HPLC analyses.
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.
Physical	Sterile Filtered White Lyophilized

Appearance	(freeze-dried) powder.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4.
Endotoxin	Less than 0.1 EU/µg of rRtCDNF as determined by LAL method.