

Recombinant Rat Mesencephalic Astrocyte-Derived Neurotrophic Factor

#R00337

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

LRPGDCEVCISYLGRFYQDLKDRDVTTFSPATIEEELIK
FCREARGKENRLCYYGATDDAATKIINEVSKPLAHHI
PVEKICEKLKKKDSQICELKYDKQIDLSTVDLKKLRVK
ELKKILDDWGEMCKGCAEKSDYIRKINELMPKYAPKA
ASARTDL

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	P0C5H9
GeneID	315989
Unigene	Rn.229163.
Species	Rat
Source	Escherichia coli.
Molecular Weight	Approximately 18.2 kDa, a single non-glycosylated polypeptide chain containing 158 amino acids.
Purity	> 98 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED ₅₀ as determined by a cell proliferation assay using rat C6 cells is less than 10 µg/ml, corresponding to a specific activity of > 100 IU/mg.

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 rRtMANF as determined by LAL method.
