

Recombinant Human/Murine/Rat/Canine/Equine Brain-derived Neurotrophic Factor

#R00169

Size: 10 µg/100 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

His129-Arg247;Accession#P23560

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile PBS to a concentration of 0.1 mg/mL. Further dilutions should be made in appropriately buffered solutions.

Product Specification

Species	Human,Murine,Rat,Canine,Equine
Source	Sf 21 Cells
Molecular Weight	Apparent molecular mass of 13-14 kDa in SDS-PAGE under reducing conditions, a single glycosylated polypeptide protein consisting of 119 amino acids.
Purity	> 97 % by SDS-PAGE analyses.
Biological Activity	Measured in a cell proliferation assay using BaF mouse pro-B cells transfected with TrkB. The ED ₅₀ for this effect is 0.2-2 ng/mL. The specific activity of rHu/Mu/Rt/Ca/EqBDNF is approximately 1.3 × 10 ³ units/µg, which is calibrated against recombinant human BDNF WHO Standard.Measured by its binding

	ability in a functional ELISA. When Recombinant Human TrkB Fc Chimera is coated at 1 µg/mL, rHu/Mu/Rt/Ca/EqBDNF binds with an apparent Kd <1 nM.
Physical Appearance Formulation	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized from 0.2 µm filtered concentrated solution in 100 mM Sodium Citrate and 300 mM NaCl, pH 3.0.
Endotoxin	Less than 0.1 EU/µg of rHu/Mu/Rt/Ca/EqBDNF as determined by LAL method.