

BDNF

Recombinant Human Brain-Derived Neurotrophic Factor

Catalog No.	CRB600A CRB600B CRB600C	Quantity:	2 µg 10 µg 1.0 mg
Alternate Names:	Abrineurin		
Gene ID:	627		
Description:	Recombinant human BDNF is a homodimeric, non-glycosylated, polypeptide chain containing 2 x 119 amino acids.		
Source:	<i>E. coli</i>		
Molecular Weight:	26.984 kDa		
Formulation:	Lyophilized from a sterile filtered solution after dialysis against 20 mM sodium citrate buffer, pH 5.0.		
Purity:	> 96.0% as determined by RP-HPLC and SDS-PAGE analyses		
Endotoxin Level:	< 0.1 ng/µg of BDNF		
Biological Activity:	Determined by the dose-dependent induction of ACHE (acetylcholine esterase) in rat basal forebrain primary septal culture. The ED ₅₀ is 50 ng/ml.		
Amino Acid Sequence:	The sequence of the first five N-terminal amino acids is Met-His-Ser-Asp-Pro.		
Reconstitution:	Centrifuge vial prior to opening. First add sterile distilled water to the vial to fully solubilize the protein to a concentration not less than 100 µg/ml. After complete solubilization of the protein, it can be further diluted to other aqueous solutions.		
Storage & Stability:	Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

