

Recombinant Human Brain-derived Neurotrophic Factor (rHuBDNF)

ORDERING INFORMATION

Catalog Number	Size
45105P-2	2 ug
45105P-10	10 ug
45105P-1000	1000 ug

Format: Sterile filtered, lyophilized.

Purification: Chromatographic

DESCRIPTION

Recombinant Human BDNF produced in *E. coli* is a homodimer, non-glycosylated polypeptide chain containing 2 x 119 amino acids with a molecular mass of 26,984 daltons. This product has full biological activity.

SPECIFICATION SUMMARY

Source: *Escherichia coli*

Stabilizers: None

Preservatives: None

Purity: Greater than 96% by RP-HPLC, anion-exchange chromatography; reducing and non-reducing SDS-PAGE, silver stain.

Dimers/Aggregates: <1% by SDS-PAGE

Biological Activity: Fully biologically active compared to reference standards. ED₅₀ in rat basal forebrain primary septal culture is 50ng/ml.

Endotoxin: <0.1 ng/ug

Protein Content: Determined spectrophotometrically at 280nm (1.6 ext. coeff), and by RP-HPLC analysis against a calibrated standard.

SOLUBILITY

Reconstitute the lyophilized product in sterile water not less than 100 ug/ml. Product was dialyzed against 20mM sodium citrate pH 5 prior to lyophilization.

STORAGE AND STABILITY

Lyophilized product is stable at room temperature for 3 weeks. Store lyophilized product desiccated at -20°C. Upon reconstitution, store at 4°C for 2-7 days or aliquot and store at -20°C. For long-term storage add either HSA or BSA to 0.1%. Avoid repeated freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.