

BDNF, human recombinant

CATALOG #: 4004-10 10 µg
4004-50 50 µg
4004-250 250 µg
4004-1000 1 mg

SOURCE: *E. coli*

PURITY: >98% by SDS-PAGE and HPLC analyses
Endotoxin level is <0.1 ng per µg (1EU/µg).

MOL. WEIGHT: 27.0 kDa

FORM: Sterile filtered and lyophilized with no additives

RECONSTITUTION:

Centrifuge the vial prior to opening. Reconstitute in PBS to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or – 20°C for future use.

STORAGE CONDITIONS:

The lyophilized BDNF is best-stored desiccated below 0°C. Reconstituted BDNF should be stored at working aliquots at -20°C.

DESCRIPTION:

Human Brain-Derived Neurotrophic Factor (BDGF) is a potent neurotrophic factor that supports the growth and survivability of nerve and glial cells. The active form of BDNF is a 27.0 kDa dimer, formed by two identical 119 amino acid subunits held together by strong hydrophobic interactions.

BIOLOGICAL ACTIVITY:

The ED₅₀ determined by its ability to stimulate chick E8 neurite outgrowth was found to be 0.1-1.0 ng/ml.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- BDNF Antibody (**Cat. No. 5004-100**)
- BDNF Antibody (CT) (**Cat. No. 6725-100**)
- ProBDNF, human recombinant (**Cat. No. 4723-10, -50, -1000**)
- TrkB Antibody (**Cat. No. 3593-100**)
- BDNF (human) ELISA Kit (**Cat. No. K4788-100**)