

Human BDNF Recombinant Protein



RPPB0080

Product Information Protein Information

Product SKU:

RPPB0080

Accession:

P23560

Host:

Escherichia Coli.

Protein description:

Brain-derived Neurotrophic Factor Human Recombinant produced in E.Coli is a homodimer, non-glycosylated, polypeptide chain containing 2 x 119 amino acids (and an N-terminal Met) and having a total molecular mass of 27kDa. BDNF Human Recombinant is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Brain-Derived Neurotrophic Factor, BDNF, MGC34632.

Formulation:

The protein was lyophilized without any additives.

Purity:

BDNF is greater than 97.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized BDNF in sterile 18M-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized BDNF although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BDNF should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MHSDPARRGE LSVCDISEW VTAADKKTAV DMSGGTVTVL EKVPVSKGQL KQYFYETKCN PMGYTKEGCR
GIDKRHWNSQ CRTTQSYVRA LTMDSKKRIG WRFIRIDTSC VCTLTIKGRG.

Biological Activity:

The ED₅₀, as determined by the dose-dependent induction of C6 cells proliferation, is 1.3-2µg/ml.