



Recombinant Human BDNF
rHuBDNF

Catalog number: HZ-6501

Lot: CHI-121407

Specifications and Use

- Source** ● *Escherichia coli*.
- Molecular Mass** ● Approximately 27kDa.
- Purity** ● >95%, as determined by SDS-PAGE and HPLC method.
- Biological Activity** ● Determined by its ability to stimulate chick E8 neurite outgrowth. The ED₅₀ is 0.1-0.01%ng/ml.
- Endotoxin Level** ● Less than 1EU/μg of the rHuBDNF as determined by LAL method.
- Formulation** ● Lyophilized from 10mM acetic acid and 0.3 M NaCl.
- Solubility** ● It is recommended to reconstitute the lyophilized rBDNF in sterile ddH₂O not less than 100μg/mL.
- Stability** ● Lyophilized samples are stable for greater than six months from date of receipt at -20 °C to -70 °C.
● Upon reconstitution, this cytokine can be stored under sterile conditions at 4 °C for up to one month without detectable loss of activity.
● Avoid repeated freeze/thaw
- Usage** ● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE.

Human Brain Derived Neurotrophic Factor

Human BDNF is a member of the NGF family of neurotrophic growth factors which supports neuron proliferation and survival. BDNF mediates its neurotrophic properties by signaling through a high affinity cell surface seceptor called gp145/trkB.