

General Information

Protein Construction

A DNA sequence encoding the mouse BDNF (P21237) (Met1-Arg249) was expressed and its mature form was purified. The mature form of human, mouse, rat, cynomolgus and canine BDNF sequences are identical.

Organism

Mouse

Expression Host

CHO Cells

QC Testing

Activity

1. Measured by its ability to bind biotinylated human TrkB-His (Cat:500790) in functional ELISA.
2. Measured by its ability to bind Human TrkB-Fch (Cat:503265) in functional ELISA.
3. Measured by its ability to bind biotinylated mouse TrkB-His (Cat:501573) in functional ELISA.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per μg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

His 131

Molecular Mass

The recombinant mature form of mouse BDNF consists of 119 amino acids and predicts a molecular mass of 13.5 KDa.

Formulation

Lyophilized from sterile PBS

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

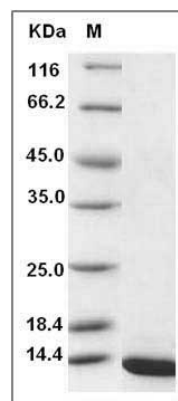
Storage

Store it under sterile conditions at -20°C to -80°C . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Mouse / Human BDNF Protein SDS-PAGE