Mouse BDNF recombinant protein

Catalog Number	500704
Species	Mouse
Expression System	CHO Cells
Accession	P21237
Gene ID	12064
Molecular Weight	The recombinant mature form of mouse BDNF consists of 119 amino acids and predicts a molecular mass of 13.5 KDa.

Product Information

Sequence Region	Met 1 - Arg 249
Form	Lyophilized powder
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.
Purity	> 95 % as determined by SDS-PAGE
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method
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.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Predicted N-terminal	His 131
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.

Storage & Handling

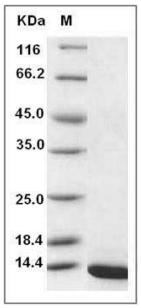
Reconstitution	Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	During development, promotes the survival and differentiation of selected neuronal populations of the peripheral and central nervous systems. Participates in axonal growth, pathfinding and in the modulation of dendritic growth and morphology. Major regulator of synaptic transmission and plasticity at adult synapses in many regions of the CNS.

Validation

SDS-PAGE



Mouse / Human BDNF Protein SDS-PAGE