

Brain-Derived Neurotrophic Factor Mouse Recombinant

Item Number	rAP-2653
Synonyms	GP145-TrkB/GP95-TrkB, Trk-B, Neurotrophic tyrosine kinase receptor type 2, TrkB, tyrosine kinase, Ntrk2, Trkb, BDNF/NT-3 growth factors receptor.
Description	BDNF produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 409 amino acids (32-429a.a.) and having a molecular mass of 45.7kDa (Molecular size on SDS-PAGE will appear at approximately 57-70kDa under reducing conditions).BDNF is expressed with an 11 amino acid His tag at C-
Uniprot Accession Number	P48199
Amino Acid Sequence	CPTSCCKCSSA RIWCTEPSPG IVAFPRLEPN SVDPENITEI LIANQKRLEI INEDDVEAYV GLRNLTIVDS GLKFVAYKAF LKNSNLRHIN FTRNKLTSLs RRHFRHLDLS DLILTGNPFT CSCDIMWLKT LQETKSSPDT QDLYCLNESS KNMPLANLQI PNCGLPSARL AAPNLTVEEG KSVTLSCSVG GDPLPTLYWD VGNLVSKHMN ETSHTQGSLR ITNISSDDSG KQISCVAENL VGEDQDSVNL TVHFAPTITF LESPTSDHHW CIPFTVRGNP
Source	Sf9, Insect cells.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks.Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	BDNF protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**