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## Human BDNF Protein

Cat.#:	TD-P10101	Size:	50ug
Protein Name:	BDNF		
Synonym:	BDNF;Brain Derived Neurotrophic Factor; Abrineurin; BDNF precursor form		
Uniprot No.:	P23560		
Expression System:	E. Coli		
Compound Identity:	BDNF(e1)-his		
Full Length or Truncated:	Full length		
Molecular Weight:	28.2kD		
Form:	freeze-dried powder		
Storage:	-80°C (as supplied)		
Stability:	≥6 months		
Purity:	≥90% estimated by SDS-PAGE		
Supplied in:	1×PBS (pH 7.2)		

### Background

Neurotrophins function to regulate naturally occurring cell death of neurons during development. The prototype neurotrophin is nerve growth factor (NGF), originally discovered in the 1950s as a soluble peptide promoting the survival of, and neurite outgrowth from, sympathetic ganglia. Three additional structurally homologous neurotrophic factors have been identified. These include brain-derived neurotrophic factor (BDNF), neurotrophin-3 (NT-3) and neurotrophin-4 (NT-4) (also designated NT-5).

### SDS-PAGE Validation

