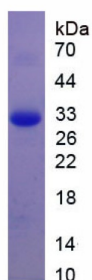


Brain Derived Neurotrophic Factor (BDNF) Protein

Catalogue No.: abx650994



BDNF Protein is a recombinant protein produced in a Prokaryotic expression system (E. coli).

This protein is the immunogen for the following antibodies: [abx132006](#)

Target: Brain Derived Neurotrophic Factor (BDNF)

Origin: Human, Mouse, Rat, Pig, Horse

Expression: Recombinant

Tested Applications: WB, SDS-PAGE

Host: E. coli

Conjugation: Unconjugated

Form: Lyophilized

Purity: > 95%

Reconstitution: To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH₂O. If a lower concentration is required, dilute in 20 mM Tris, 150 mM NaCl, pH 8.0. If a higher concentration is required, the product can be reconstituted directly in 20 mM Tris, 150 mM NaCl, pH 8.0, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.

Storage: Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.

Datasheet

Version: 4.0.0
Revision date: 24 May 2025



Molecular Weight:	Calculated MW: 27.4 kDa Observed MW (SDS-PAGE): 32 kDa Possible reasons why the actual band size differs from the predicted band size: 1. Splice variants. Alternative splicing may create different sized proteins from the same gene. 2. Relative charge. The composition of amino acids may affect the charge of the protein. 3. Post-translational modification. Phosphorylation, glycosylation, methylation etc. may affect the band size. 4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form. 5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.
Sequence Fragment:	Pro20-Arg252
Sequence:	P MKEANVRGQG SLAYPGVRTH GTLESVNGPK AGSRGLTSSSS SSSLADTFEH VIEELLDEDQ KVRPNEENNK DADMYTSRVM LSSQVPLEPP LLFLLEEYKN YLDAANMSMR VRRHSDPARR GELSVCD SISEWVTAADKKT AVDMSGGTVT VLEKVPVSKG QLKQYFYETK CNPMGYTKEGCRGIDKRHWN SQCRTTQSYV RALTMDSKKR IGWRFIRIDT SCVCTLTIKR GR
Tag:	N-terminal His tag
Buffer:	Prior to lyophilization: 20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01% Sarcosyl, 5% Trehalose and Proclin-300.
Activity:	Not tested
Concentration:	Prior to lyophilization: 200 µg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.