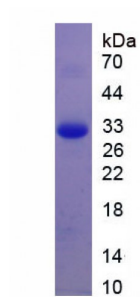


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Brain Derived Neurotrophic Factor (BDNF) Protein

Catalogue No.: abx650994



BDNF Protein (Recombinant) is a recombinant protein from Human, Mouse, Rat, Rabbit, Pig, Goat, Horse. It is produced in *E. coli* using Prokaryotic expression.

Target:	Brain Derived Neurotrophic Factor (BDNF)
Origin:	Human, Mouse, Rat, Rabbit, Pig, Goat, Horse
Host:	<i>E. coli</i>
Tested Applications:	WB, SDS-PAGE
Purity:	> 95%
Form:	Lyophilized
Reconstitution:	Reconstitute in 20 mM Tris, 150 mM NaCl, pH 8.0, to a concentration of 0.1-1.0 mg/ml. Do not vortex.
Conjugation:	Unconjugated
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.
Expression:	Recombinant

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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 AGSRGLTSSS SSSLADTFEH VIEELLDEDQ
KVRPNEENNK DADMYTSRVM LSSQVPLEPP LLFLLEEYKN YLDAANMSMR VRRHSDPARR
GELSVCD SISEWVTAADKKT AVDMSGGTVT VLEKVPVSKG QLKQYFYETK
CNPMGYTKEGCRGIDKRHWN SQCRTTQSYV RALTMDSKKR IGWRFIRIDT SCVCTLTIKR GR

Tag: N-terminal His-tag

Activity: Not tested

Concentration: Prior to lyophilization: 200 µg/ml

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.

Note: This product is for research use only.