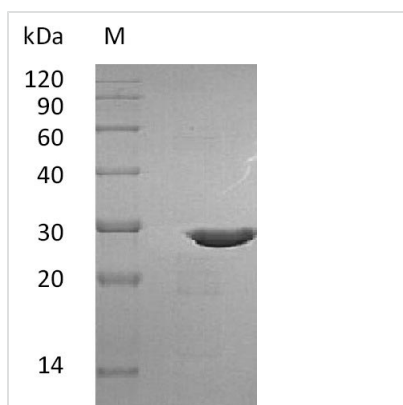




Recombinant Human Brain-derived neurotrophic factor (BDNF) (Active)

Product Code	CSB-AP003791HU
Uniprot No.	P23560
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μ m filtered 20 mM PB, 250 mM NaCl, pH 7.2
Product Type	Growth Factor
Immunogen Species	Homo sapiens (Human)
Biological Activity	The ED50 as determined by its ability to bind Human TrkB in functional ELISA is less than 5 ug/ml.
Purity	Greater than 95% as determined by SDS-PAGE.
Sequence	APMKEANIRGQGGLAYPGVRTHTGLESVNGPKAGSRGLTSLADTFEHVIEELL DEDQKVRPNEENNKDADLYTSRVMLSSQVPLEPPLLFLLEEYKNYLDAANMS MRVRRHSDPARRGELSVCDSEWVTAADKKTAVDMSGGTVTVLEKVPVSKG QLKQYFYETKCNPMGYTKEGCRGIDKRHWNSQCRTTQSYVRALTMDSKKRIG WRFIRIDTSCVCTLTIKRGR
Research Area	Neuroscience
Source	E.coli
Target Names	BDNF
Expression Region	19-247aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	25.9 kDa
Protein Length	Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

**Endotoxin**

Less than 1.0 EU/μg as determined by LAL method.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.