Recombinant Pig Brain-derived neurotrophic factor (BDNF)

Product Code	CSB-BP002655PI
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P14082
Product Type	Recombinant Protein
Immunogen Species	Sus scrofa (Pig)
Purity	>85% (SDS-PAGE)
Sequence	HSDPARR GELSVCDSIS EWVTAADKKT AVDMSGGTVT VLEKVPVSKG QLKQYFYETK CNPMGYTKEG CRGIDKRHWN SQCRTTQSYV RALTMDSKKR IGWRFIRIDT SCVCTLTIKR GR
Source	Baculovirus
Target Names	BDNF
Protein Names	Recommended name: Brain-derived neurotrophic factor Short name= BDNF
Expression Region	134-252
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is a member of the nerve growth factor family. It is induced by cortical neurons, and is necessary for survival of striatal neurons in the brain. Expression of this gene is reduced in both Alzheimer s and Huntington disease patients. This gene may play a role in the regulation of stress response and in the biology of mood disorders. Multiple transcript variants encoding distinct isoforms have been described for this gene.
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.