



# Recombinant Chicken Brain-derived neurotrophic factor (BDNF)

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| <b>Product Code</b>      | CSB-EP002655CH                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Uniprot No.</b>       | P25429                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Immunogen Species</b> | Gallus gallus (Chicken)                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Sequence</b>          | HSD PARRGELSVC DSTSEWVTAA EKKTAVDMSG ATVTVLEKVP<br>VPKGQLKQYF YETKCNPKGY TKEGCRGIDK RHWNSQCRTT QSYVRALTMD<br>NKKRVGWRFI RIDTSCVCTL TIKRGR                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>            | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Target Names</b>      | BDNF                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Names</b>     | Recommended name: Brain-derived neurotrophic factor Short name= BDNF                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Expression Region</b> | 128-246                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Target Details</b>    | 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. |
| <b>Reconstitution</b>    | 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.                                            |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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.                                                                                                                                                                     |