

## Recombinant Human BDNF protein, GST-tagged

**Cat. No.** BDNF-2586H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human BDNF protein(P23560)(137-237aa), fused to N-terminal GST tag, was expressed in E. coli.                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | 137-237aa                                                                                                                                                                                                                                        |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p> |
| <b>Molecular Mass</b>   | 38.5 kDa                                                                                                                                                                                                                                         |
| <b>AA Sequence</b>      | ELSVCDSEWVTAADKKTAVDMSGGTVTVLEKVPVSKGQLKQYFYETKCNPMGYT<br>KEGCRGIDKRHWNSQCRTTQSYVRALTMDSKKRIGWRFIRIDTSC                                                                                                                                          |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                      |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                   |
| <b>Reconstitution</b>   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0                                                                                                                                                             |

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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%.

## GENE INFORMATION

|                 |                                                                              |
|-----------------|------------------------------------------------------------------------------|
| Gene Name       | BDNF brain-derived neurotrophic factor [ Homo sapiens ]                      |
| Official Symbol | BDNF                                                                         |
| Synonyms        | BDNF; brain-derived neurotrophic factor; neurotrophin; abrineurin; MGC34632; |
| Gene ID         | 627                                                                          |
| mRNA Refseq     | NM_001143805                                                                 |
| Protein Refseq  | NP_001137277                                                                 |
| MIM             | 113505                                                                       |
| UniProt ID      | P23560                                                                       |

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