



Recombinant Dog BDNF Protein Product Manual

1. Product Basic Information

Product No.: REP06253

Protein Name: Brain Derived Neurotrophic Factor (BDNF)

Aliases: ANON2; BULN2; proBDNF; abrineurin; neurotrophin; brain derived neurotrophic factor; neurotrophic factor BDNF precursor form

UniProt ID: P23560

UniProt Link: <https://www.uniprot.org/uniprotkb/P23560/entry>

Species Source: Canis lupus familiaris (Dog) (Canis familiaris)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (129-247aa)

Molecular Weight: 19.6 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (129-247aa)

HSDPARRGELSVCDSEWVTAADKKTAVDMSGGTVTVLEKVPVSKGQLKQYFYE
TKCNPMGYTKEGCRGIDKRHWNSQCRTTQSYVRALTMDSKKRIGWRFIRIDTSCV
CTLTIKRGR

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Dog BDNF full length of mature protein protein (129-247aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. BDNF, also known as ANON2 or BULN2 or proBDNF, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.