

BDNF, human recombinant protein
Brain Derived Neurotrophic Factor
Catalog # PBV10037r**Specification**

BDNF, human recombinant protein - Product info

Primary Accession [P23560](#)
Calculated MW 27.0 kDa KDa

BDNF, human recombinant protein - Additional Info

Gene ID 627
Gene Symbol BDNF
Other Names
Brain-derived neurotrophic factor, Short name=BDNF, Abrineurin

Gene Source Human
Source E. coli
Assay&Purity SDS-PAGE; ≥98%
Assay2&Purity2 HPLC; ≥98%
Recombinant Yes
Results 0.1-1.0 ng/ml.

Target/Specificity
BDNF

Application Notes

Reconstitute in H₂O to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers and stored at 4°C for 1 week or -20°C for future use.

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized with no additives

BDNF, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

BDNF, human recombinant protein - Images

BDNF, human recombinant protein - Background

Human Brain-Derived Neurotrophic Factor (BDGF) is a potent neurotrophic factor that supports the growth and survivability of nerve and glial cells. The active form of BDNF is a 27.0 kDa dimer, formed by two identical 119 amino acid subunits held together by strong hydrophobic interactions.

BDNF, human recombinant protein - References

Jones K.R.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:8060-8064(1990).
Maisonpierre P.C.,et al.Genomics 10:558-568(1991).
Shintani A.,et al.Biochem. Biophys. Res. Commun. 182:325-332(1992).
Liu Q.-R.,et al.Am. J. Med. Genet. B Neuropsychiatr. Genet. 134:93-103(2005).
Pruunsild P.,et al.Genomics 90:397-406(2007).