

# Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

## **BDNF-SEP**

RRID:Addgene\_83955

Type: Plasmid

### Proper Citation

RRID:Addgene\_83955

### Plasmid Information

**URL:** <http://www.addgene.org/83955>

**Proper Citation:** RRID:Addgene\_83955

**Insert Name:** Brain derived neurotrophic factor

**Organism:** Mus musculus

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:27680698](#)

**Vector Backbone Description:** Vector Backbone:HA; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Plasmid Name:** BDNF-SEP

**Record Creation Time:** 20220422T222542+0000

**Record Last Update:** 20260815T082110+0000

### Ratings and Alerts

No rating or validation information has been found for BDNF-SEP.

No alerts have been found for BDNF-SEP.

### Data and Source Information

**Source:** [Addgene](#)

### Usage and Citation Metrics

We found 4 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#) .

Legutko D, et al. (2025) BDNF-driven synaptic plasticity requires autocrine matrix metalloproteinase-9 activity. *Science advances*, 11(39), eadx2369.

Zhang J, et al. (2024) Localized release of muscle-generated BDNF regulates the initial formation of postsynaptic apparatus at neuromuscular synapses. *Cell death and differentiation*.

Renna P, et al. (2022) Engineering a switchable single-chain TEV protease to control protein maturation in living neurons. *Bioengineering & translational medicine*, 7(2), e10292.

Gisbert Roca F, et al. (2021) BDNF-Gene Transfected Schwann Cell-Assisted Axonal Extension and Sprouting on New PLA-PPy Microfiber Substrates. *Macromolecular bioscience*, 21(5), e2000391.