

Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

pcDNA TrkB

RRID:Addgene_24088

Type: Plasmid

Proper Citation

RRID:Addgene_24088

Plasmid Information

URL: <http://www.addgene.org/24088>

Proper Citation: RRID:Addgene_24088

Insert Name: TrkB

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11157096](#)

Vector Backbone Description: Backbone Size:5400; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA TrkB

Relevant Mutation: R133I

Record Creation Time: 20220422T222107+0000

Record Last Update: 20260815T081228+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA TrkB.

No alerts have been found for pcDNA TrkB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Shen H, et al. (2025) Engineered commensals for targeted nose-to-brain drug delivery. *Cell*, 188(6), 1545.

Dhandapani R, et al. (2018) Control of mechanical pain hypersensitivity in mice through ligand-targeted photoablation of TrkB-positive sensory neurons. *Nature communications*, 9(1), 1640.

Chen W, et al. (2014) BDNF released during neuropathic pain potentiates NMDA receptors in primary afferent terminals. *The European journal of neuroscience*, 39(9), 1439.