

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

pRc/CMV HA TrkB

RRID:Addgene_39978

Type: Plasmid

Proper Citation

RRID:Addgene_39978

Plasmid Information

URL: <http://www.addgene.org/39978>

Proper Citation: RRID:Addgene_39978

Insert Name: TrkB

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9927421](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5500; Vector Backbone:pRC/CMV AC7 vector, a derivative of the pRC/CMV vector; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: cloned in the pRC/CMV AC7 vector, a derivative of the pRC/CMV vector (Invitrogen), which contains the BM40 signal peptide Please note that the endogenous signal sequence of TrkB was replaced by the BM40 signal peptide sequence (MRAWIFFLLCLAGRALAAPLA). When compared to translated sequences for GenBank ID M55291.1 or NM_012731.2, the TrkB protein sequence starts at amino acid #32

Plasmid Name: pRc/CMV HA TrkB

Relevant Mutation: endogenous signal sequence was replaced with BM40 and HA tag

Record Creation Time: 20220422T222208+0000

Record Last Update: 20260815T081432+0000

Ratings and Alerts

No rating or validation information has been found for pRc/CMV HA TrkB.

No alerts have been found for pRc/CMV HA TrkB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Burk K, et al. (2018) Regulation of Dendritic Spine Morphology in Hippocampal Neurons by Copine-6. Cerebral cortex (New York, N.Y. : 1991), 28(4), 1087.

Cobret L, et al. (2015) Targeting the cis-dimerization of LINGO-1 with low MW compounds affects its downstream signalling. British journal of pharmacology, 172(3), 841.