

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pCMV5 TrkA

RRID:Addgene_15002

Type: Plasmid

Proper Citation

RRID:Addgene_15002

Plasmid Information

URL: <http://www.addgene.org/15002>

Proper Citation: RRID:Addgene_15002

Insert Name: TrkA

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10679771](#)

Vector Backbone Description: Backbone Size:4600; Vector Backbone:pCMV5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The mammalian expression plasmid for trkA was generated by subcloning of TrkA full-length cDNA into pCMV5 vector at the EcoRI site.

Plasmid Name: pCMV5 TrkA

Relevant Mutation: V289L

Record Creation Time: 20220422T221831+0000

Record Last Update: 20260725T074009+0000

Ratings and Alerts

No rating or validation information has been found for pCMV5 TrkA.

No alerts have been found for pCMV5 TrkA.

Data and Source Information

Usage and Citation Metrics

We found 10 mentions in open access literature.

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

Higerd-Rusli GP, et al. (2023) The fates of internalized NaV1.7 channels in sensory neurons: Retrograde cotransport with other ion channels, axon-specific recycling, and degradation. The Journal of biological chemistry, 299(1), 102816.

Dai Y, et al. (2022) Inactivation of soluble guanylyl cyclase in living cells proceeds without loss of haem and involves heterodimer dissociation as a common step. British journal of pharmacology, 179(11), 2505.

Ahmed F, et al. (2021) The Biased Ligands NGF and NT-3 Differentially Stabilize Trk-A Dimers. Biophysical journal, 120(1), 55.

Regua AT, et al. (2021) TrkA Interacts with and Phosphorylates STAT3 to Enhance Gene Transcription and Promote Breast Cancer Stem Cells in Triple-Negative and HER2-Enriched Breast Cancers. Cancers, 13(10).

Konen JM, et al. (2019) Ntrk1 Promotes Resistance to PD-1 Checkpoint Blockade in Mesenchymal Kras/p53 Mutant Lung Cancer. Cancers, 11(4).

Ahmed F, et al. (2018) Dimerization of the Trk receptors in the plasma membrane: effects of their cognate ligands. The Biochemical journal, 475(22), 3669.

Pasini L, et al. (2015) TrkA is amplified in malignant melanoma patients and induces an anti-proliferative response in cell lines. BMC cancer, 15, 777.

Fujita Y, et al. (2011) The p75 receptor mediates axon growth inhibition through an association with PIR-B. Cell death & disease, 2(9), e198.

Wang TC, et al. (2011) The adaptor protein SH2B3 (Lnk) negatively regulates neurite outgrowth of PC12 cells and cortical neurons. PloS one, 6(10), e26433.

Fujita Y, et al. (2011) Myelin suppresses axon regeneration by PIR-B/SHP-mediated inhibition of Trk activity. The EMBO journal, 30(7), 1389.