

Resource Summary Report

Generated by [kravitz2](#) on Aug 10, 2026

pBa-KIF5C 559-tdTomato-FKBP

RRID:Addgene_64211

Type: Plasmid

Proper Citation

RRID:Addgene_64211

Plasmid Information

URL: <http://www.addgene.org/64211>

Proper Citation: RRID:Addgene_64211

Insert Name: Kif5c

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25624392](#)

Vector Backbone Description: Backbone Marker:Banker lab (Addgene plasmid #45059); Backbone Size:8410; Vector Backbone:pBa.KIF5C 1-559.eGFP; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: pBa vector is susceptible to recombination and should not be grown in fast growing bacteria or cloned using recombination. XL 10-Gold, Stbl3, OmniMax2, DH5alpha, and XL 1-Blue are suitable growth strains.

Plasmid Name: pBa-KIF5C 559-tdTomato-FKBP

Relevant Mutation: motor domain aa1-559

Record Creation Time: 20220422T222408+0000

Record Last Update: 20260808T081954+0000

Ratings and Alerts

No rating or validation information has been found for pBa-KIF5C 559-tdTomato-FKBP.

No alerts have been found for pBa-KIF5C 559-tdTomato-FKBP.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Yang L, et al. (2026) Light-based modulation of astrocytic calcium for regulation of organelle dynamics and morphogenesis. The Journal of cell biology, 225(7).

Semesta KM, et al. (2023) The psychosis risk factor RBM12 encodes a novel repressor of GPCR/cAMP signal transduction. bioRxiv : the preprint server for biology.

Willette BKA, et al. (2023) Endosome positioning coordinates spatially selective GPCR signaling. Nature chemical biology.

Lim L, et al. (2018) Optimization of interneuron function by direct coupling of cell migration and axonal targeting. Nature neuroscience, 21(7), 920.

Thillaiappan NB, et al. (2017) Ca²⁺ signals initiate at immobile IP3 receptors adjacent to ER-plasma membrane junctions. Nature communications, 8(1), 1505.

Bentley M, et al. (2015) A Novel Assay to Identify the Trafficking Proteins that Bind to Specific Vesicle Populations. Current protocols in cell biology, 69, 13.8.1.