

Resource Summary Report

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

pBa.Kif5c 1-559.GFP

RRID:Addgene_45059

Type: Plasmid

Proper Citation

RRID:Addgene_45059

Plasmid Information

URL: <http://www.addgene.org/45059>

Proper Citation: RRID:Addgene_45059

Insert Name: Kif5c

Organism: Rattus norvegicus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:16543128](#)

Vector Backbone Description: Backbone Size:6755; Vector Backbone:pBa-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 1-559.GFP

Relevant Mutation: motor domain aa1-559

Record Creation Time: 20220422T222232+0000

Record Last Update: 20260815T081520+0000

Ratings and Alerts

No rating or validation information has been found for pBa.Kif5c 1-559.GFP.

No alerts have been found for pBa.Kif5c 1-559.GFP.

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 [dkNET](#) .

Hummel JJA, et al. (2021) Inducible manipulation of motor-cargo interaction using engineered kinesin motors. Journal of cell science, 134(15).

Iuliano O, et al. (2018) Myosin 1b promotes axon formation by regulating actin wave propagation and growth cone dynamics. The Journal of cell biology, 217(6), 2033.