

Resource Summary Report

Generated by [NIF](#) on Jul 31, 2026

pBa-FRB-3myc-KIF1A tail 391-1698

RRID:Addgene_64286

Type: Plasmid

Proper Citation

RRID:Addgene_64286

Plasmid Information

URL: <http://www.addgene.org/64286>

Proper Citation: RRID:Addgene_64286

Insert Name: KIF1A

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25624392](#)

Vector Backbone Description: Backbone Size:5863; Vector Backbone:pBa; 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-FRB-3myc-KIF1A tail 391-1698

Relevant Mutation: aa 391-1698, 5'end mostly matches rat, 3'end mostly matches mouse

Record Creation Time: 20220422T222408+0000

Record Last Update: 20260725T074959+0000

Ratings and Alerts

No rating or validation information has been found for pBa-FRB-3myc-KIF1A tail 391-1698.

No alerts have been found for pBa-FRB-3myc-KIF1A tail 391-1698.

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 [NIF](#) .

Nagpal S, et al. (2024) Optogenetic control of kinesin-1, -2, -3 and dynein reveals their specific roles in vesicular transport. Cell reports, 43(8), 114649.

Schelski M, et al. (2022) Microtubule retrograde flow retains neuronal polarization in a fluctuating state. Science advances, 8(44), eabo2336.