

Resource Summary Report

Generated by [kravitz2](#) on Aug 9, 2026

pBa-FRB-3myc-KIF1B beta tail 387-1770

RRID:Addgene_64287

Type: Plasmid

Proper Citation

RRID:Addgene_64287

Plasmid Information

URL: <http://www.addgene.org/64287>

Proper Citation: RRID:Addgene_64287

Insert Name: KIF1B beta

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:25624392](https://pubmed.ncbi.nlm.nih.gov/25624392/)

Vector Backbone Description: Backbone Size:6287; Vector Backbone:pBa-FRB; 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-KIF1B beta tail 387-1770

Relevant Mutation: aa 387-1770, small portion of 5'end matches rat, 3'end matches mouse. V407A, L536I, S542N, Y939C, Q1093R, T1187I, K1691E, and S1766N relative to NM_207682

Record Creation Time: 20220422T222408+0000

Record Last Update: 20260808T081954+0000

Ratings and Alerts

No rating or validation information has been found for pBa-FRB-3myc-KIF1B beta tail 387-1770.

No alerts have been found for pBa-FRB-3myc-KIF1B beta tail 387-1770.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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.