

Resource Summary Report

Generated by [dkNET](#) on Aug 23, 2026

FLAG-KIF17-short-pcDNA3

RRID:Addgene_47545

Type: Plasmid

Proper Citation

RRID:Addgene_47545

Plasmid Information

URL: <http://www.addgene.org/47545>

Proper Citation: RRID:Addgene_47545

Insert Name: KIF17-short

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5546; Vector Backbone:pcDNA3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: This vector directs expression of neither of the current mouse RefSeq Kif17 variants, isoform 1 or isoform 2. Rather the vector expresses a cDNA which corresponds to a different alternatively spliced transcript encoding a still shorter isoform of 511 amino acids rather than the 1038 residues of isoform 1 or 710 of isoform 2. The first 400 residues of the "short" isoform are essentially identical to the amino-terminal motor domain of isoform 1 and 2. Based on studies of Kif17 truncations, the short form of mouse Kif17 is predicted to form dimers and to bind microtubules. *Compared to the reference sequence, this expression vector expresses a protein with substitution of conserved glycine-152 with a serine in the motor domain of Kif17. Due to this mutation, the properties of the produced protein could be altered.

Plasmid Name: FLAG-KIF17-short-pcDNA3

Relevant Mutation: G152S*

Record Creation Time: 20220422T222245+0000

Record Last Update: 20260815T081542+0000

Ratings and Alerts

No rating or validation information has been found for FLAG-KIF17-short-pcDNA3.

No alerts have been found for FLAG-KIF17-short-pcDNA3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.