

Resource Summary Report

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

GFP-Myo9b R1695M

RRID:Addgene_134911

Type: Plasmid

Proper Citation

RRID:Addgene_134911

Plasmid Information

URL: <http://www.addgene.org/134911>

Proper Citation: RRID:Addgene_134911

Insert Name: Myo 9b (rat) with 3' UTR. GAP minus mutant R1695M

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:9348541](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4686; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: See also: Van den Boom et al. Molecular Biology of the Cell Vol. 18, No. 4, 1507-1518, April 2007 The Myosin IXb Motor Activity Targets the Myosin IXb RhoGAP Domain as Cargo to Sites of Actin Polymerization. Published Online:21 Feb 2007<https://doi.org/10.1091/mbc.e06-08-0771> Please note: Plasmid contains a T721I mutation in Myo9b. This mutation is not known to affect protein function.

Plasmid Name: GFP-Myo9b R1695M

Relevant Mutation: changed arginine 1695 to methionine

Record Creation Time: 20220422T221744+0000

Record Last Update: 20260725T073847+0000

Ratings and Alerts

No rating or validation information has been found for GFP-Myo9b R1695M.

No alerts have been found for GFP-Myo9b R1695M.

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 [NIF](#) .

Boulton DP, et al. (2024) MIRO2 promotes cancer invasion and metastasis via MYO9B suppression of RhoA activity. Cell reports, 44(1), 115120.