

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

Mfn2(K109A)-16xmyc

RRID:Addgene_26051

Type: Plasmid

Proper Citation

RRID:Addgene_26051

Plasmid Information

URL: <http://www.addgene.org/26051>

Proper Citation: RRID:Addgene_26051

Insert Name: Mfn2

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:12527753](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5400; Vector Backbone:pcDNA3.1(-)/Myc-His; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: Mfn2(K109A)-16xmyc

Relevant Mutation: K109A GTPase mutant

Record Creation Time: 20220422T222116+0000

Record Last Update: 20260829T080255+0000

Ratings and Alerts

No rating or validation information has been found for Mfn2(K109A)-16xmyc.

No alerts have been found for Mfn2(K109A)-16xmyc.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Du M, et al. (2020) Mitofusin 2 but not mitofusin 1 mediates Bcl-XL-induced mitochondrial aggregation. *Journal of cell science*, 133(20).

Huang NK, et al. (2019) Morphological control of mitochondria as the novel mechanism of *Gastrodia elata* in attenuating mutant huntingtin-induced protein aggregations. *Phytomedicine : international journal of phytotherapy and phytopharmacology*, 59, 152756.

Wong YC, et al. (2019) Lysosomal Regulation of Inter-mitochondrial Contact Fate and Motility in Charcot-Marie-Tooth Type 2. *Developmental cell*, 50(3), 339.

Newman LE, et al. (2017) The abundance of the ARL2 GTPase and its GAP, ELMOD2, at mitochondria are modulated by the fusogenic activity of mitofusins and stressors. *PloS one*, 12(4), e0175164.