

# Resource Summary Report

Generated by [NIF](#) on Aug 1, 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:** 20260801T081049+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 [NIF](#) .

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

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.

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.

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.