

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

pCDNA3.1-Myoferlin HA

RRID:Addgene_22443

Type: Plasmid

Proper Citation

RRID:Addgene_22443

Plasmid Information

URL: <http://www.addgene.org/22443>

Proper Citation: RRID:Addgene_22443

Insert Name: Myoferlin

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17702744](https://pubmed.ncbi.nlm.nih.gov/17702744)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5467; Vector Backbone:pcDNA3.1(-); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that the myoferlin insert in this plasmid contains K110R, K605R and I1821V mutations when compared to GenBank reference sequence AF182316. It is not known if these are polymorphisms or PCR artifacts. The source of the human myoferlin gene used in this plasmid is described in the following publication: <https://www.ncbi.nlm.nih.gov/pubmed/17702744>

Plasmid Name: pCDNA3.1-Myoferlin HA

Record Creation Time: 20220422T222059+0000

Record Last Update: 20260725T074433+0000

Ratings and Alerts

No rating or validation information has been found for pCDNA3.1-Myoferlin HA.

No alerts have been found for pCDNA3.1-Myoferlin HA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 8 mentions in open access literature.

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

Cretu C, et al. (2025) Structural insights into lipid membrane binding by human ferlins. The EMBO journal, 44(14), 3926.

Hirata T, et al. (2025) Dynamic regulation of the COPII interactome and collagen trafficking by site-specific glycosylation of Sec24D. bioRxiv : the preprint server for biology.

He Y, et al. (2021) A potent and selective small molecule inhibitor of myoferlin attenuates colorectal cancer progression. Clinical and translational medicine, 11(2), e289.

Gao S, et al. (2021) RIPK3 modulates growth factor receptor expression in endothelial cells to support angiogenesis. Angiogenesis, 24(3), 519.

Gupta S, et al. (2021) Lysosomal retargeting of Myoferlin mitigates membrane stress to enable pancreatic cancer growth. Nature cell biology, 23(3), 232.

Anania S, et al. (2020) Myoferlin Is a Yet Unknown Interactor of the Mitochondrial Dynamics' Machinery in Pancreas Cancer Cells. Cancers, 12(6).

Stepanov AV, et al. (2018) Autocrine-based selection of ligands for personalized CAR-T therapy of lymphoma. Science advances, 4(11), eaau4580.

Zhou Y, et al. (2016) Quantitative proteomics identifies myoferlin as a novel regulator of A Disintegrin and Metalloproteinase 12 in HeLa cells. Journal of proteomics, 148, 94.