

Resource Summary Report

Generated by [NIF](#) on Jul 29, 2026

[pcDNA3.1-MYO10-HMM-Nanotrap](#)

RRID:Addgene_87255

Type: Plasmid

Proper Citation

RRID:Addgene_87255

Plasmid Information

URL: <http://www.addgene.org/87255>

Proper Citation: RRID:Addgene_87255

Insert Name: MYO10

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:27932498](#)

Vector Backbone Description: Backbone Marker:Thermo Fisher; Backbone Size:5428; Vector Backbone:pcDNA3.1(+); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.1-MYO10-HMM-Nanotrap

Relevant Mutation: Myo10 is truncated to contain aa.1-941

Record Creation Time: 20220422T222559+0000

Record Last Update: 20260725T075319+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1-MYO10-HMM-Nanotrap.

No alerts have been found for pcDNA3.1-MYO10-HMM-Nanotrap.

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](#) .

Matoo S, et al. (2024) The microvillar protocadherin CDHR5 associates with EBP50 to promote brush border assembly. *Molecular biology of the cell*, 35(3), ar36.

Tona R, et al. (2024) Interaction between the TBC1D24 TLDc domain and the KIBRA C2 domain is disrupted by two epilepsy-associated TBC1D24 missense variants. *The Journal of biological chemistry*, 300(9), 107725.

Bocanegra JL, et al. (2020) The MyMOMA domain of MYO19 encodes for distinct Miro-dependent and Miro-independent mechanisms of interaction with mitochondrial membranes. *Cytoskeleton (Hoboken, N.J.)*, 77(3-4), 149.

Katsuno T, et al. (2019) TRIOBP-5 sculpts stereocilia rootlets and stiffens supporting cells enabling hearing. *JCI insight*, 4(12).