

Resource Summary Report

Generated by [RRID](#) on Sep 1, 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: 20260829T081219+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 5 mentions in open access literature.

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

Derstroff D, et al. (2026) TMEM145 is a principal component of outer hair cell stereocilia. Neuron.

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.

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.

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).