

Resource Summary Report

Generated by [RRID](#) on Sep 1, 2026

CMV_Mex3a_mutRING_t2a_mCherry

RRID:Addgene_223245

Type: Plasmid

Proper Citation

RRID:Addgene_223245

Plasmid Information

URL: <http://www.addgene.org/223245>

Proper Citation: RRID:Addgene_223245

Insert Name: Mex3a

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Vector Backbone:pTRE2; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note, this mutantRING version of Mex3a preserves mus musculus amino acids for Mex3a (except the four amino acids of RING domain's cross brace structure), but changes the underlying DNA sequence to reduce CG content.

Plasmid Name: CMV_Mex3a_mutRING_t2a_mCherry

Relevant Mutation: 4 point mutations in RING Domain: Cys 484 Ala; His 486 Ala; Cys 490 Ala; Cys 493 Ala

Record Creation Time: 20250528T053803+0000

Record Last Update: 20260829T082401+0000

Ratings and Alerts

No rating or validation information has been found for CMV_Mex3a_mutRING_t2a_mCherry.

No alerts have been found for CMV_Mex3a_mutRING_t2a_mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Duffi?? R, et al. (2025) Mex3a-dependent post-transcriptional silencing ensures olfactory receptor diversity and axon guidance specificity. Cell reports, 44(8), 115979.