

# Resource Summary Report

Generated by [dkNET](#) on Jul 28, 2026

## pMH4-SYN-EGFP-ER

RRID:Addgene\_22285

Type: Plasmid

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### Proper Citation

RRID:Addgene\_22285

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### Plasmid Information

**URL:** <http://www.addgene.org/22285>

**Proper Citation:** RRID:Addgene\_22285

**Insert Name:** EGFP-ER

**Organism:** mixture

**Bacterial Resistance:** Ampicillin

**Defining Citation:** [PMID:19706463](#)

**Vector Backbone Description:** Backbone Size:6959; Vector Backbone:pMH4; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

**Comments:** EGFP(A206K)= 925-1707 Calreticulin sgnalseq.=862-912 KDEL coding seq.=1714-1725

**Plasmid Name:** pMH4-SYN-EGFP-ER

**Relevant Mutation:** EGFP alanine 206 changed to Lysin

**Record Creation Time:** 20220422T222059+0000

**Record Last Update:** 20260725T074431+0000

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### Ratings and Alerts

No rating or validation information has been found for pMH4-SYN-EGFP-ER.

No alerts have been found for pMH4-SYN-EGFP-ER.

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### Data and Source Information

Source: [Addgene](#)

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## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Campbell EP, et al. (2023) Electrical signals in the ER are cell type and stimulus specific with extreme spatial compartmentalization in neurons. Cell reports, 42(1), 111943.

Perez-Alvarez A, et al. (2020) Endoplasmic reticulum visits highly active spines and prevents runaway potentiation of synapses. Nature communications, 11(1), 5083.