

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

EGFP-hPMCA2w/b

RRID:Addgene_47586

Type: Plasmid

Proper Citation

RRID:Addgene_47586

Plasmid Information

URL: <http://www.addgene.org/47586>

Proper Citation: RRID:Addgene_47586

Insert Name: PMCA2w/b

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:12624087](#)

Vector Backbone Description: Backbone Marker:Clontech; modified as described in Rogers et al JBC 2003; Backbone Size:4700; Vector Backbone:pEGFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: w/b splice variant of human PMCA2. PMCA2w/b inserted as SacII-XbaI fragment into multiple cloning site but is also flanked by NotI sites. PMCA2 start: 1396; stop: 5125, w-splice: 2303

Plasmid Name: EGFP-hPMCA2w/b

Record Creation Time: 20220422T222245+0000

Record Last Update: 20260815T081542+0000

Ratings and Alerts

No rating or validation information has been found for EGFP-hPMCA2w/b.

No alerts have been found for EGFP-hPMCA2w/b.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Martín-de-Saavedra MD, et al. (2022) Shed CNTNAP2 ectodomain is detectable in CSF and regulates Ca²⁺ homeostasis and network synchrony via PMCA2/ATP2B2. *Neuron*, 110(4), 627.

Yu X, et al. (2018) Reducing Astrocyte Calcium Signaling In Vivo Alters Striatal Microcircuits and Causes Repetitive Behavior. *Neuron*, 99(6), 1170.