

Resource Summary Report

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

pOTTC810 - pAAV-EF1a-CRTsigpep-GCaMP3 (D324G+D360G+397G+D435G 10.19)-KDEL

RRID:Addgene_63885

Type: Plasmid

Proper Citation

RRID:Addgene_63885

Plasmid Information

URL: <http://www.addgene.org/63885>

Proper Citation: RRID:Addgene_63885

Insert Name: ER-localized low-affinity GCaMP3(10.19)

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26451944](#)

Vector Backbone Description: Backbone Marker:OTTC/NIDA; Vector Backbone:pOTTC374 - pAAV EF1a DIO iRFP; Vector Types:AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pOTTC810 - pAAV-EF1a-CRTsigpep-GCaMP3 (D324G+D360G+397G+D435G 10.19)-KDEL

Record Creation Time: 20220422T222406+0000

Record Last Update: 20260815T081806+0000

Ratings and Alerts

No rating or validation information has been found for pOTTC810 - pAAV-EF1a-CRTsigpep-GCaMP3 (D324G+D360G+397G+D435G 10.19)-KDEL.

No alerts have been found for pOTTC810 - pAAV-EF1a-CRTsigpep-GCaMP3 (D324G+D360G+397G+D435G 10.19)-KDEL.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Cohen R, et al. (2022) A genetically targeted sensor reveals spatial and temporal dynamics of acrosomal calcium and sperm acrosome exocytosis. The Journal of biological chemistry, 298(5), 101868.

Henderson MJ, et al. (2021) A target-agnostic screen identifies approved drugs to stabilize the endoplasmic reticulum-resident proteome. Cell reports, 35(4), 109040.

Granatiero V, et al. (2019) Nrf2 signaling links ER oxidative protein folding and calcium homeostasis in health and disease. Life science alliance, 2(5).