Resource Summary Report

Generated by NIF on Jul 30, 2026

pAAV-HyPer3

RRID:Addgene_119183
Type: Plasmid

Proper Citation

RRID:Addgene_119183

Plasmid Information

URL: http://www.addgene.org/119183

Proper Citation: RRID:Addgene_119183

Insert Name: HyPer3

Organism: Other

Bacterial Resistance: Ampicillin

Defining Citation: PMID:30279532

Vector Backbone Description: Backbone Marker:Stratagene; Backbone Size:4600; Vector Backbone:pAAV-MCS; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Comments: Can be used for in vivo expression of the hydrogen peroxide-sensitive fluorescent protein HyPer3. It was used for this purpose in Steinhorn et al. Free Radic Biol Med. 2017 Dec;113:16-25. doi: 10.1016/j.freeradbiomed.2017.09.006. In the associated publication (Steinhorn et al. Nat Commun. 2018 Oct 2;9(1):4044. doi: 10.1038/s41467-018-06533-2), it was used as a control for a virus driving expression of a fusion between HyPer and D-amino acid oxidase.

Plasmid Name: pAAV-HyPer3

Record Creation Time: 20220422T221624+0000

Record Last Update: 20260725T073622+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-HyPer3.

No alerts have been found for pAAV-HyPer3.

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 NIF .

Ley-Ngardigal S, et al. (2025) Repression of oxidative phosphorylation by NR2F2, MTERF3 and GDF15 in human skin under high-glucose stress. Redox biology, 82, 103613.

Ding L, et al. (2021) Peroxisomal ??-oxidation acts as a sensor for intracellular fatty acids and regulates lipolysis. Nature metabolism, 3(12), 1648.