

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pAAV EF1a DIO iChloC 2A dsRed

RRID:Addgene_70762

Type: Plasmid

Proper Citation

RRID:Addgene_70762

Plasmid Information

URL: <http://www.addgene.org/70762>

Proper Citation: RRID:Addgene_70762

Insert Name: Channelrhodopsin-2

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26443033](#)

Vector Backbone Description: Backbone Size:5601; Vector Backbone:pAAV; Vector Types:Mammalian Expression, AAV; Bacterial Resistance:Ampicillin

Plasmid Name: pAAV EF1a DIO iChloC 2A dsRed

Relevant Mutation: E83Q,E90R,E101S,D156N,T159C

Record Creation Time: 20220422T222437+0000

Record Last Update: 20260815T081905+0000

Ratings and Alerts

No rating or validation information has been found for pAAV EF1a DIO iChloC 2A dsRed.

No alerts have been found for pAAV EF1a DIO iChloC 2A dsRed.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Xue S, et al. (2025) Implantable Light-Powered Human Designer Cells for Electrical Energy Generation. *Advanced materials* (Deerfield Beach, Fla.), 37(45), e02618.

Stempel AV, et al. (2024) Tonically active GABAergic neurons in the dorsal periaqueductal gray control instinctive escape in mice. *Current biology : CB*, 34(13), 3031.

Barbano MF, et al. (2020) VTA Glutamatergic Neurons Mediate Innate Defensive Behaviors. *Neuron*, 107(2), 368.

Evans DA, et al. (2018) A synaptic threshold mechanism for computing escape decisions. *Nature*, 558(7711), 590.