

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pAAV-EF1a-FLEX-SOUL-P2A-tdTomato-WPRE-BGHpA

RRID:Addgene_177577

Type: Plasmid

Proper Citation

RRID:Addgene_177577

Plasmid Information

URL: <http://www.addgene.org/177577>

Proper Citation: RRID:Addgene_177577

Insert Name: SOUL

Organism: Chlamydomonas reinhardtii

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32645306](#)

Vector Backbone Description: Vector Backbone:pAAV; Vector Types:AAV; Bacterial Resistance:Ampicillin

Comments: SOUL is a combination of the stabilized step-function opsin (SSFO) mutations C128S and D156A with the T159C mutation in channelrhodopsin previously reported by Dr. Karl Deisseroth et. al.

Plasmid Name: pAAV-EF1a-FLEX-SOUL-P2A-tdTomato-WPRE-BGHpA

Record Creation Time: 20220422T222024+0000

Record Last Update: 20260725T074332+0000

Ratings and Alerts

No rating or validation information has been found for pAAV-EF1a-FLEX-SOUL-P2A-tdTomato-WPRE-BGHpA.

No alerts have been found for pAAV-EF1a-FLEX-SOUL-P2A-tdTomato-WPRE-BGHpA.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.