

# Resource Summary Report

Generated by [RRID](#) on Aug 26, 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:** 20260815T081109+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.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.