

Resource Summary Report

Generated by [nidm-terms](#) on Aug 14, 2026

pTol1-UAS:CheRiff-tdTomato

RRID:Addgene_124234

Type: Plasmid

Proper Citation

RRID:Addgene_124234

Plasmid Information

URL: <http://www.addgene.org/124234>

Proper Citation: RRID:Addgene_124234

Insert Name: CheRiff-tdTomato

Organism: Scherffelia dubia

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:32216873](#)

Vector Backbone Description: Backbone Marker:from Harold Burgess lab (Addgene Plasmid #62215); Backbone Size:4548; Vector Backbone:pT1UciMP; Vector Types:Zebrafish expression; Bacterial Resistance:Ampicillin

Comments: Zebrafish Tol1 construct for UAS-mediated expression of the optogenetic opsin CoChR fused to the red fluorescent protein tdTomato. In addition to the opsin gene, it contains tol1 arms, 14xUAS-E1b promoter, ubiquitin C intron, and ocean pout antifreeze protein terminator. Co-inject with Tol1 (not Tol2) transposase mRNA.

Plasmid Name: pTol1-UAS:CheRiff-tdTomato

Record Creation Time: 20220422T221651+0000

Record Last Update: 20260808T080643+0000

Ratings and Alerts

No rating or validation information has been found for pTol1-UAS:CheRiff-tdTomato.

No alerts have been found for pTol1-UAS:CheRiff-tdTomato.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.