

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pTol2-ziUAS:GPHN.FingR-mCherry-ZFI (IL2RGTC)-KRAB(A)

RRID:Addgene_72639

Type: Plasmid

Proper Citation

RRID:Addgene_72639

Plasmid Information

URL: <http://www.addgene.org/72639>

Proper Citation: RRID:Addgene_72639

Insert Name: UAS upstream of GPHN-FingR with ZFI(IL2RFTC) and KRAB(A)

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Invitrogen; Vector Backbone:pDONR 221; Vector Types:Gateway Cloning; Bacterial Resistance:Ampicillin

Comments: PLEASE NOTE- this plasmid has a Stop codon after mCherry which is an error and will cause the construct to not be specifically targeted to the synapse. The Bonkowsky Lab has a corrected plasmid available which will soon be available at Addgene: pTol2-ziUAS:GPHN.FingR-mKate2-ZFI (IL2RGTC)-KRAB(A). Details of cloning are in: Son et al., Scientific Reports, 2016. Transgenic FingRs for Live Mapping of Synaptic Dynamics in Genetically-Defined Neurons.

Plasmid Name: pTol2-ziUAS:GPHN.FingR-mCherry-ZFI (IL2RGTC)-KRAB(A)

Relevant Mutation: Stop codon after mCherry- SEE DEPOSITOR COMMENTS BELOW

Record Creation Time: 20220422T222446+0000

Record Last Update: 20260815T081921+0000

Ratings and Alerts

No rating or validation information has been found for pTol2-ziUAS:GPHN.FingR-mCherry-ZFI (IL2RGTC)-KRAB(A).

No alerts have been found for pTol2-ziUAS:GPHN.FingR-mCherry-ZFI (IL2RGTC)-KRAB(A).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.