# Resource Summary Report

Generated by RRID on Aug 20, 2026

## pT2-eab2-[GTR]

RRID:Addgene_46144
Type: Plasmid

### Proper Citation

RRID:Addgene_46144

### Plasmid Information

**URL:** http://www.addgene.org/46144

**Proper Citation:** RRID:Addgene_46144

**Insert Name:** EGFP/mCherry

**Bacterial Resistance:** Ampicillin

**Defining Citation:** PMID:19415631

**Vector Backbone Description:** Backbone Marker:stratagene; Vector Backbone:pBluescript II KS+; Vector Types:Cre/Lox, Tol2 zebrafish transgenic expression; Bacterial Resistance:Ampicillin

**Comments:** This plasmid can be used to make a transgene that expresses EGFP but can be switched to express mCherry if inverted. This reporter is controlled by a 2.3 kb regulatory sequence consisting of 0.2 kb Xenopus EF1alpha enhancer and 2.1 kb zebra?sh beta-actin 2 sequence including the 1.5 kb enhancer/promoter sequence, the 1st exon (86 bp) and part of the 1st intron (490 bp). To generate a complete intron, the splice acceptor from the rabbit beta-globin gene was placed upstream of the EGFP reporter and a synthetic splice acceptor was placed upstream of the mCherry reporter. The synthetic splice acceptor contains the zebra?sh consensus sequence along with intronic and exonic splice enhancers. There are some discrepancies between Addgene's and the depositor's sequence--these do not affect plasmid function.

**Plasmid Name:** pT2-eab2-[GTR]

**Record Creation Time:** 20220422T222238+0000

**Record Last Update:** 20260815T081529+0000

### Ratings and Alerts

No rating or validation information has been found for pT2-eab2-[GTR].

No alerts have been found for pT2-eab2-[GTR].

## Data and Source Information

**Source:** Addgene

## Usage and Citation Metrics

We have not found any literature mentions for this resource.