

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

pMyt1GFPicre-Knock-In

RRID:Addgene_22657

Type: Plasmid

Proper Citation

RRID:Addgene_22657

Plasmid Information

URL: <http://www.addgene.org/22657>

Proper Citation: RRID:Addgene_22657

Insert Name: Myelin Transcription Factor 1

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:gift from Dr. Randy Thresher; Backbone Size:8272; Vector Backbone:pOSftrloxP; Vector Types:Targeting vector; Bacterial Resistance:Ampicillin

Comments: 4899bp of genomic Myt1 sequences with MET of Exon 1 as 5' region of homology (NotI/PmeI). Inserted upstream of eGFP/icre/frt/loxP. 1403bp of genomic Myt1 sequence starts at exon 2 and extends past Exon 3 as 3' region of homology (ClaI/NheI) Inserted downstream of eGFP/icre/frt/loxP. The iCre-PolyA cassette was PCR'd out of the pBlue.iCre (a gift of Dr. Rolf Sprengel) with HindIII/KpnI ends. The iCre cassette was ligated to pEGFP-C2 (HindIII/KpnI) (Clontech). The eGFP-iCre-PolyA cassette was PCR'd out with Sall ends. This eGFP-icre-PolyA (Sall) cassette was then cloned into pOSftrloxP (Dr. Randy Thresher) upstream of the frt and loxP sites. 4886bp of 5' Mu genomic Myt1 DNA was inserted upstream of eGFP and the 1404 bp 3' Mu Genomic DNA was inserted downstream NEO gene. The entire pMyt1GFPicre-Knock-In has been sequenced and verified.

Plasmid Name: pMyt1GFPicre-Knock-In

Record Creation Time: 20220422T222101+0000

Record Last Update: 20260725T074435+0000

Ratings and Alerts

No rating or validation information has been found for pMyt1GFPicre-Knock-In.

No alerts have been found for pMyt1GFPicre-Knock-In.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.