Resource Summary Report

Generated by PRECISE-TBI on Aug 14, 2026

KG#83

RRID:Addgene_110877
Type: Plasmid

Proper Citation

RRID:Addgene_110877

Plasmid Information

URL: http://www.addgene.org/110877

Proper Citation: RRID:Addgene_110877

Insert Name: rab-3 promoter

Organism: Caenorhabditis elegans

Bacterial Resistance: Ampicillin

Defining Citation: PMID:15489510

Vector Backbone Description: Backbone Size:2617; Vector Backbone:pUC; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Always streak out this culture for single colonies and do minipreps on >= 4 clones (~1/2 of colonies will be right). Choose small colonies after 18 - 20h growth. DNA yeild is low (~170 ng/ ul x 30 ul for a Qiagen 3 ml miniprep). Used Age I/ Xho I to cut out the 3800 bp acy-1(P260S) cDNA from KG#81 and cloned into the like-digested rab-3 expression vector KG#59 (4900 bp). Transformed into XL1-Blue electrocompetent cells. Miniprepped 4 clones to find one with correct size insert and vector and made glycerol stock. Features of the construct: This expression construct has a promoter (rab-3) that will drive strong expression of the acy-1(P260S) cDNA in the nervous system. An unc-54 3' end containing a poly A addition signal is downstream of the MCS to provide a 3' UTR for the transcript. Three introns in the UTR's are included to help expression (1 in the 5' UTR, 1 just upstream of the unc-54 3' end, and 1 in the unc-54 3' end sequence). This construct includes only the acy-1 coding region. The sequence AAAA is engineered just after the 5' restriction site and just before the initiator ATG. An AT immediately follows the TAA stop codon. Note: the acy-1 cDNA from which this clone was produced corresponds to the single acy-1 cDNA predicted by wormbase, which is F17C8.1 except for the gf mutation in this clone.

Plasmid Name: KG#83

Record Creation Time: 20220422T221539+0000

Record Last Update: 20260808T080433+0000

Ratings and Alerts

No rating or validation information has been found for KG#83.

No alerts have been found for KG#83.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We have not found any literature mentions for this resource.