

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 8, 2026

pEXP5-NT/6xHis mCherry F30 Broccoli

RRID:Addgene_169234

Type: Plasmid

Proper Citation

RRID:Addgene_169234

Plasmid Information

URL: <http://www.addgene.org/169234>

Proper Citation: RRID:Addgene_169234

Insert Name: 6xHis mCherry F30-Broccoli

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:35057626](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2665; Vector Backbone:pEXP5-NT; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Plasmid used for monitoring transcription and translation dynamics. Broccoli aptamer provides a fluorescent signal with DFHBI for mRNA level and mCherry provides fluorescent signal for protein level. Design and sequence of the Broccoli aptamer is from Filonov et al. (2015, doi: 10.1016/j.chembiol.2015.04.018).

Plasmid Name: pEXP5-NT/6xHis mCherry F30 Broccoli

Record Creation Time: 20220422T221948+0000

Record Last Update: 20260808T081209+0000

Ratings and Alerts

No rating or validation information has been found for pEXP5-NT/6xHis mCherry F30 Broccoli.

No alerts have been found for pEXP5-NT/6xHis mCherry F30 Broccoli.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.