

Resource Summary Report

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

pET28a-ec_bPAC

RRID:Addgene_28135

Type: Plasmid

Proper Citation

RRID:Addgene_28135

Plasmid Information

URL: <http://www.addgene.org/28135>

Proper Citation: RRID:Addgene_28135

Insert Name: E.coli adapted photoactivated adenylyl cyclase

Organism: Beggiatoa sp. PS

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:21030594](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:5300; Vector Backbone:pET28a; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: PLEASE NOTE: The codon usage of this gene is optimized for expression in E.coli. The humanized version for expression in neurons is Plasmid #28134.

Plasmid Name: pET28a-ec_bPAC

Record Creation Time: 20220422T222126+0000

Record Last Update: 20260808T081510+0000

Ratings and Alerts

No rating or validation information has been found for pET28a-ec_bPAC.

No alerts have been found for pET28a-ec_bPAC.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Olson AC, et al. (2023) Multiple Subthreshold GPCR Signals Combined by the G-Proteins G α q and G α s Activate the *Caenorhabditis elegans* Egg-Laying Muscles. The Journal of neuroscience : the official journal of the Society for Neuroscience, 43(21), 3789.