

Resource Summary Report

Generated by [dkNET](#) on Aug 7, 2026

pCDF_AtRaf1/Raf2/RbcX2/BSD2/RbcX1

RRID:Addgene_229510

Type: Plasmid

Proper Citation

RRID:Addgene_229510

Plasmid Information

URL: <http://www.addgene.org/229510>

Proper Citation: RRID:Addgene_229510

Insert Name: Rubisco accumulation factor 1

Organism: Arabidopsis thaliana

Bacterial Resistance: Streptomycin

Defining Citation: [PMID:39491367](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:3781; Vector Backbone:pCDFDuet-1; Vector Types:Bacterial Expression; Bacterial Resistance:Streptomycin

Comments: Gene Synthesis from Genscript. Design of the Rubisco assembly factor inserts was mirroring pAtR1/R2/RX/B2 as shown in Aigner et al 2017 (10.1126/science.aap9221), with the addition of RbcX isoform, RbcXI after the BSD2 gene.

Plasmid Name: pCDF_AtRaf1/Raf2/RbcX2/BSD2/RbcX1

Relevant Mutation: N terminus chloroplast transit peptide truncation

Record Creation Time: 20250625T053730+0000

Record Last Update: 20260801T083205+0000

Ratings and Alerts

No rating or validation information has been found for pCDF_AtRaf1/Raf2/RbcX2/BSD2/RbcX1.

No alerts have been found for pCDF_AtRaf1/Raf2/RbcX2/BSD2/RbcX1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.