

# Resource Summary Report

Generated by [PRECISE-TBI](#) on Sep 1, 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:** 20260829T082423+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.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.