

Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

pOO2-GW

RRID:Addgene_135097

Type: Plasmid

Proper Citation

RRID:Addgene_135097

Plasmid Information

URL: <http://www.addgene.org/135097>

Proper Citation: RRID:Addgene_135097

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:21107422](#)

Vector Backbone Description: Backbone Size:5288; Vector Backbone:pOO2-GW; Vector Types:bacterial expression vector for generating SP6 transcripts in vitro for Xenopus oocyte transfection; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: The AtAMT1;1 coding sequence with the att sites (attB1 and attB2) from the pDRf1-AtAMT1;1 (Loque et al 2007 Nature 446 195-198) was remobilized with both restriction enzymes SpeI and XhoI then subsequently cloned between SpeI and XhoI sites in the p6013-002 (Ludewig et al., 2002 J. Biol. Chem. 277, 13548-13555). The AtAMT1;1 coding sequence was then replaced by the Gateway DNA cassette after a BP reaction with pDONR 221 (GATEWAY technology, Invitrogen) to generate the p002-GW vector.

Plasmid Name: pOO2-GW

Record Creation Time: 20220422T221745+0000

Record Last Update: 20260815T080550+0000

Ratings and Alerts

No rating or validation information has been found for pOO2-GW.

No alerts have been found for pOO2-GW.

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 [dkNET](#) .

Devkar V, et al. (2025) Cell-type-specific response to silicon treatment in soybean leaves revealed by single-nucleus RNA sequencing and targeted gene editing. The Plant journal : for cell and molecular biology, 123(1), e70309.