

Resource Summary Report

Generated by [NIF](#) on Sep 20, 2026

pRSETb MGlucometer2.6-1m

RRID:Addgene_247471

Type: Plasmid

Proper Citation

RRID:Addgene_247471

Plasmid Information

URL: <http://www.addgene.org/247471>

Proper Citation: RRID:Addgene_247471

Insert Name: Glucose Binding Protein (GBP) with Matryoshka dual fluorophore cassette

Organism: Thermus thermophilus (bacteria)

Bacterial Resistance: Ampicillin

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2856;
Vector Backbone:pRSETb; Vector Types:Bacterial Expression; Bacterial
Resistance:Ampicillin

Comments: Please visit <https://doi.org/10.1101/2025.09.27.678933> for bioRxiv preprint.

Plasmid Name: pRSETb MGlucometer2.6-1m

Record Creation Time: 20260218T053321+0000

Record Last Update: 20260919T093853+0000

Ratings and Alerts

No rating or validation information has been found for pRSETb MGlucometer2.6-1m.

No alerts have been found for pRSETb MGlucometer2.6-1m.

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 [NIF](#) .

Ishikawa Y, et al. (2026) Evidence for rapid hydrolysis of shoot-derived sucrose using an ultrasensitive ratiometric matryoshka-type MGlucoseMeter sensor. The Plant journal : for cell and molecular biology, 125(5), e70778.