

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

Top10?serB

RRID:Addgene_34928

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/34928>

Proper Citation: RRID:Addgene_34928

Bacterial Resistance: None

Defining Citation: [PMID:21868676](#)

Vector Backbone Description: Vector Backbone:None; Vector Types:; Bacterial Resistance:None

Comments: To prevent possible enzymatic dephosphorylation of O-phospho-L-serine (Sep) in vivo, the gene encoding phosphoserine phosphatase (serB), which catalyzes the last step in serine biosynthesis, was deleted from Escherichia coli strain Top10. Markerless gene deletions were carried out using a λ -red and FLP recombinase-based gene knockout strategy.

Plasmid Name: Top10?serB

Record Creation Time: 20220422T222148+0000

Record Last Update: 20260725T074605+0000

Ratings and Alerts

No rating or validation information has been found for Top10?serB.

No alerts have been found for Top10?serB.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.