

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 13, 2026

MBP-g0s2

RRID:Addgene_179294

Type: Plasmid

Proper Citation

RRID:Addgene_179294

Plasmid Information

URL: <http://www.addgene.org/179294>

Proper Citation: RRID:Addgene_179294

Insert Name: G0S2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34260600](#)

Vector Backbone Description: Backbone Marker:New England Biolabs; Backbone Size:5676; Vector Backbone:pMAL-c5E; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Protein sequence is the mature maltose binding protein (identical to aa 1-367 of accession no. 6K7E_A) + NSSSNNNNNNNNNNLG + enterokinase cleavage site (DDDDK*; * = cleavage site) + VPH + human G0S2 (G0/G1 switch protein 2; accession number NP_056529.1) + L. Confers ampicillin-resistance. This plasmid has been referred to as MBP g0s2, MBP-g0s2, g0s2-noHis_pMAL-c5E, or pHis6-MBP-g0s2. There is no His-tag in the expressed protein sequence. Backbone vector is pMAL-c5E. Construct design by James Zook. Publication: Moran et al 2021 PLoS One 16, e0249164, <https://doi.org/10.1371/journal.pone.0249164>

Plasmid Name: MBP-g0s2

Relevant Mutation: full-length G0S2, residues 1-103 from accession number NP_056529.1; optimized DNA sequence

Record Creation Time: 20220422T222031+0000

Record Last Update: 20260808T081326+0000

Ratings and Alerts

No rating or validation information has been found for MBP-g0s2.

No alerts have been found for MBP-g0s2.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.