

Resource Summary Report

Generated by [NIF](#) on Sep 19, 2026

MS-1 magA

RRID:Addgene_21751

Type: Plasmid

Proper Citation

RRID:Addgene_21751

Plasmid Information

URL: <http://www.addgene.org/21751>

Proper Citation: RRID:Addgene_21751

Insert Name: magA

Organism: M. magnetotacticum

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11250081](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:3900; Vector Backbone:pCR2.1; Vector Types:cloning; Bacterial Resistance:Ampicillin

Comments: The sequence inserted into the pCR2.1 vector is larger than just the magA gene. The magA gene is preceded by 373 bp of genomic DNA and followed by 30 bp of genomic DNA. The gene contains 2 amino acid substitutions - S94L and P390S. The cloned gene was used primarily as a probe. Also see Zurkiya et al. Magn Reson Med. 2008 Jun;59(6):1225-31.

Plasmid Name: MS-1 magA

Record Creation Time: 20220422T222056+0000

Record Last Update: 20260919T091538+0000

Ratings and Alerts

No rating or validation information has been found for MS-1 magA.

No alerts have been found for MS-1 magA.

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](#) .

Pereira SM, et al. (2016) MS-1 magA: Revisiting Its Efficacy as a Reporter Gene for MRI. Molecular imaging, 15.