

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

MSP1-bio

RRID:Addgene_47709

Type: Plasmid

Proper Citation

RRID:Addgene_47709

Plasmid Information

URL: <http://www.addgene.org/47709>

Proper Citation: RRID:Addgene_47709

Insert Name: Codon-optimised MSP1

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24043421](#)

Vector Backbone Description: Backbone Marker:Yves Durocher, NRC; Backbone Size:6633; Vector Backbone:pTT3; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: MSP1-bio

Relevant Mutation: Exogenous signal peptide of mouse origin, changed Serine123, Threonine262, Threonine491, Serine557, Serine628, Serine823, Threonine835, Threonine920, Serine940, Threonine986, Threonine1012, Serine1110, Threonine1217, Serine1609 to Alanine residues

Record Creation Time: 20220422T222245+0000

Record Last Update: 20260815T081543+0000

Ratings and Alerts

No rating or validation information has been found for MSP1-bio.

No alerts have been found for MSP1-bio.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Rosenkranz M, et al. (2024) Full-length MSP1 is a major target of protective immunity after controlled human malaria infection. Life science alliance, 7(8).

Reyes RA, et al. (2023) Atypical B cells consist of subsets with distinct functional profiles. iScience, 26(12), 108496.

Gonzales SJ, et al. (2022) A Molecular Analysis of Memory B Cell and Antibody Responses Against Plasmodium falciparum Merozoite Surface Protein 1 in Children and Adults From Uganda. Frontiers in immunology, 13, 809264.