

Resource Summary Report

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

pMSP1

RRID:Addgene_20060

Type: Plasmid

Proper Citation

RRID:Addgene_20060

Plasmid Information

URL: <http://www.addgene.org/20060>

Proper Citation: RRID:Addgene_20060

Insert Name: MSP1

Organism: synthetic gene

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:15025475](#)

Vector Backbone Description: Backbone Marker:Novagen; Backbone Size:5300; Vector Backbone:pET 28a; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: First described in the following paper: Bayburt, T. H., Grinkova, Y. V., & Sligar, S. G., 2002, Self-assembly of discoidal phospholipid bilayer nanoparticles with membrane scaffold proteins. Nanoletters, 2: 853-856.

Plasmid Name: pMSP1

Relevant Mutation: synthetic gene of deletion mutant (1-43) of human Apolipoprotein A-1; contains N-terminal 6-His tag and Factor X site; the codons optimized for E. coli expression

Record Creation Time: 20220422T222049+0000

Record Last Update: 20260815T081151+0000

Ratings and Alerts

No rating or validation information has been found for pMSP1.

No alerts have been found for pMSP1.

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 [NIF](#) .

Liu X, et al. (2019) Structural Insights into the Process of GPCR-G Protein Complex Formation. Cell, 177(5), 1243.

Du Y, et al. (2019) Assembly of a GPCR-G Protein Complex. Cell, 177(5), 1232.

Komolov KE, et al. (2017) Structural and Functional Analysis of a β_2 -Adrenergic Receptor Complex with GRK5. Cell, 169(3), 407.