

# Resource Summary Report

Generated by [RRID](#) on Aug 20, 2026

## pDEST-HisMBP

RRID:Addgene\_11085

Type: Plasmid

### Proper Citation

RRID:Addgene\_11085

### Plasmid Information

**URL:** <http://www.addgene.org/11085>

**Proper Citation:** RRID:Addgene\_11085

**Bacterial Resistance:** Chloramphenicol and Ampicillin

**Defining Citation:** [PMID:16322578](#)

**Vector Backbone Description:** Backbone Marker:New England Biolabs; Backbone Size:6000; Vector Backbone:pMal-C2; Vector Types:Bacterial Expression; Bacterial Resistance:Chloramphenicol and Ampicillin

**Comments:** The MBP ORF can be sequenced using 5'-GAG CGG ATA ACA ATT TCA CAC AGG-3' as a tac promoter sequencing primer (in the forward direction). To sequence inserts fused to the C-terminus of MBP, the primers are 5'-GAT GAA GCC CTG AAA GAC GCG CAG-3' (forward) and 5'-GCA AGG CGA TTA AGT TGG GTA ACG C-3' (reverse).

**Plasmid Name:** pDEST-HisMBP

**Record Creation Time:** 20220422T221539+0000

**Record Last Update:** 20260815T080144+0000

### Ratings and Alerts

No rating or validation information has been found for pDEST-HisMBP.

No alerts have been found for pDEST-HisMBP.

### Data and Source Information

**Source:** [Addgene](#)

## Usage and Citation Metrics

We found 31 mentions in open access literature.

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

Stevens RP, et al. (2026) PPM1B utilizes a trinuclear metal architecture for phosphatase activity. bioRxiv : the preprint server for biology.

Hong MJ, et al. (2025) Investigating the Function of TaUBX57 in Enhancing Abiotic Stress Tolerance in Wheat. International journal of molecular sciences, 26(16).

Biswas A, et al. (2025) Expression, purification, and refolding of an optimized SARS-CoV-2 receptor binding domain in E. coli. Plasmid, 134, 102760.

Muzzioli R, et al. (2024) The Interaction and Effect of a Small MitoBlock Library as Inhibitor of ALR Protein-Protein Interaction Pathway. International journal of molecular sciences, 25(2).

Rebholz Z, et al. (2023) Ancient origin and conserved gene function in terpene pheromone and defense evolution of stink bugs and hemipteran insects. Insect biochemistry and molecular biology, 152, 103879.

Amici DR, et al. (2023) The HAPSTR2 retrogene buffers stress signaling and resilience in mammals. Nature communications, 14(1), 152.

Choi S, et al. (2023) A single amino acid change led to structural and functional differentiation of PvHd1 to control flowering in switchgrass. Journal of experimental botany, 74(18), 5532.

Zhao H, et al. (2022) Male infertility-associated Ccdc108 regulates multiciliogenesis via the intraflagellar transport machinery. EMBO reports, 23(4), e52775.

Raran-Kurussi S, et al. (2022) A comparison between MBP- and NT\* as N-terminal fusion partner for recombinant protein production in E. coli. Protein expression and purification, 189, 105991.

Tovey CA, et al. (2021) Autoinhibition of Cnn binding to  $\gamma$ -TuRCs prevents ectopic microtubule nucleation and cell division defects. The Journal of cell biology, 220(8).

Cuevas-Velazquez CL, et al. (2021) Intrinsically disordered protein biosensor tracks the physical-chemical effects of osmotic stress on cells. Nature communications, 12(1), 5438.

Dorone Y, et al. (2021) A prion-like protein regulator of seed germination undergoes hydration-dependent phase separation. Cell, 184(16), 4284.

Araya-Flores J, et al. (2020) Solanum lycopersicum (tomato) possesses mitochondrial and plastidial lipoyl synthases capable of increasing lipoylation levels when expressed in bacteria. Plant physiology and biochemistry : PPB, 151, 264.

Forzani C, et al. (2019) Mutations of the AtYAK1 Kinase Suppress TOR Deficiency in Arabidopsis. Cell reports, 27(12), 3696.

Eftekharzadeh B, et al. (2019) Hsp70 and Hsp40 inhibit an inter-domain interaction necessary for transcriptional activity in the androgen receptor. *Nature communications*, 10(1), 3562.

Natesan M, et al. (2019) A Smartphone-Based Rapid Telemonitoring System for Ebola and Marburg Disease Surveillance. *ACS sensors*, 4(1), 61.

Tovey CA, et al. (2018)  $\gamma$ -TuRC Heterogeneity Revealed by Analysis of Mozart1. *Current biology : CB*, 28(14), 2314.

De Mol E, et al. (2018) Regulation of Androgen Receptor Activity by Transient Interactions of Its Transactivation Domain with General Transcription Regulators. *Structure (London, England : 1993)*, 26(1), 145.

Raran-Kurussi S, et al. (2017) Expression and Purification of Recombinant Proteins in *Escherichia coli* with a His6 or Dual His6-MBP Tag. *Methods in molecular biology (Clifton, N.J.)*, 1607, 1.

Rajan A, et al. (2017) A Mechanism Coupling Systemic Energy Sensing to Adipokine Secretion. *Developmental cell*, 43(1), 83.