

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 28, 2025

pMSP1E3D1

RRID:Addgene_20066

Type: Plasmid

Proper Citation

RRID:Addgene_20066

Plasmid Information

URL: <http://www.addgene.org/20066>

Proper Citation: RRID:Addgene_20066

Insert Name: MSP1E3D1

Organism: Other

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:17213193](#)

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

Plasmid Name: pMSP1E3D1

Relevant Mutation: "extended" MSP1D1; contains repeats of helices 4, 5 and 6;N-terminal 7-his tag followed by spacer sequence and TEV protease cleavage site

Record Creation Time: 20220422T222049+0000

Record Last Update: 20220422T223537+0000

Ratings and Alerts

No rating or validation information has been found for pMSP1E3D1.

No alerts have been found for pMSP1E3D1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 16 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Bruguera ES, et al. (2025) The co-receptor Tetraspanin12 directly captures Norrin to promote ligand-specific β -catenin signaling. eLife, 13.

Bruguera ES, et al. (2024) The co-receptor Tspan12 directly captures Norrin to promote ligand-specific β -catenin signaling. bioRxiv : the preprint server for biology.

Hariharan P, et al. (2024) Mobile barrier mechanisms for Na⁺-coupled symport in an MFS sugar transporter. eLife, 12.

van den Noort M, et al. (2024) The substrate-binding domains of the osmoregulatory ABC importer OpuA transiently interact. eLife, 12.

Nayak AR, et al. (2024) Interplay between Mg²⁺ and Ca²⁺ at multiple sites of the ryanodine receptor. Nature communications, 15(1), 4115.

Bharambe N, et al. (2024) Cryo-EM structures of prokaryotic ligand-gated ion channel GLIC provide insights into gating in a lipid environment. Nature communications, 15(1), 2967.

Nakamura T, et al. (2024) Unusual Vibrational Coupling of the Schiff Base in the Retinal Chromophore of Sodium Ion-Pumping Rhodopsins. The journal of physical chemistry. B, 128(32), 7813.

Roth P, et al. (2024) Structure and mechanism of a phosphotransferase system glucose transporter. Nature communications, 15(1), 7992.

Takahashi H, et al. (2023) Cryo-EM structures of an LRRC8 chimera with native functional properties reveal heptameric assembly. eLife, 12.

Tran NNB, et al. (2023) Lipid environment determines the drug-stimulated ATPase activity of P-glycoprotein. Frontiers in molecular biosciences, 10, 1141081.

Surya W, et al. (2023) Anomalous Oligomerization Behavior of E. coli Aquaporin Z in Detergent and in Nanodiscs. International journal of molecular sciences, 24(9).

Courtney KC, et al. (2023) Synaptotagmin-7 outperforms synaptotagmin-1 to promote the formation of large, stable fusion pores via robust membrane penetration. Nature communications, 14(1), 7761.

Grupi A, et al. (2021) Point-localized, site-specific membrane potential optical recording by single fluorescent nanodiscs. *Biophysical reports*, 1(1).

Voleti R, et al. (2021) Evaluation of the tert-butyl group as a probe for NMR studies of macromolecular complexes. *Journal of biomolecular NMR*, 75(8-9), 347.

Voleti R, et al. (2020) Ca^{2+} -dependent release of synaptotagmin-1 from the SNARE complex on phosphatidylinositol 4,5-bisphosphate-containing membranes. *eLife*, 9.

Rasmussen T, et al. (2019) Structure of the Mechanosensitive Channel MscS Embedded in the Membrane Bilayer. *Journal of molecular biology*, 431(17), 3081.