

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 10, 2026

RP1B FUS 1-163

RRID:Addgene_127192

Type: Plasmid

Proper Citation

RRID:Addgene_127192

Plasmid Information

URL: <http://www.addgene.org/127192>

Proper Citation: RRID:Addgene_127192

Insert Name: FUS 1-163

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:31270472](#)

Vector Backbone Description: Vector Backbone:RP1B; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Plasmid Name: RP1B FUS 1-163

Record Creation Time: 20220422T221707+0000

Record Last Update: 20260808T080710+0000

Ratings and Alerts

No rating or validation information has been found for RP1B FUS 1-163.

No alerts have been found for RP1B FUS 1-163.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Zheng T, et al. (2025) Molecular insights into the effect of 1,6-hexanediol on FUS phase separation. The EMBO journal, 44(10), 2725.

Krevert CS, et al. (2023) Liquid-Liquid Phase Separation of the Intrinsically Disordered Domain of the Fused in Sarcoma Protein Results in Substantial Slowing of Hydration Dynamics. The journal of physical chemistry letters, 14(49), 11224.

Lee Y, et al. (2023) Transmembrane coupling of liquid-like protein condensates. Nature communications, 14(1), 8015.

Maltseva D, et al. (2023) Fibril formation and ordering of disordered FUS LC driven by hydrophobic interactions. Nature chemistry, 15(8), 1146.

Chatterjee S, et al. (2022) Lipid-driven condensation and interfacial ordering of FUS. Science advances, 8(31), eabm7528.

Yuan F, et al. (2021) Membrane bending by protein phase separation. Proceedings of the National Academy of Sciences of the United States of America, 118(11).

Murthy AC, et al. (2021) Molecular interactions contributing to FUS SYGQ LC-RGG phase separation and co-partitioning with RNA polymerase II heptads. Nature structural & molecular biology, 28(11), 923.