

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

pT7-7 asyn WT

RRID:Addgene_36046

Type: Plasmid

Proper Citation

RRID:Addgene_36046

Plasmid Information

URL: <http://www.addgene.org/36046>

Proper Citation: RRID:Addgene_36046

Insert Name: alpha-synuclein

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18343814](#)

Vector Backbone Description: Backbone Size:2438; Vector Backbone:pT7-7; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Lashuel Lab Plasmid #77

Plasmid Name: pT7-7 asyn WT

Record Creation Time: 20220422T222153+0000

Record Last Update: 20260815T081405+0000

Ratings and Alerts

No rating or validation information has been found for pT7-7 asyn WT.

No alerts have been found for pT7-7 asyn WT.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 48 mentions in open access literature.

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

Khan H, et al. (2026) Complement Dysregulation During the Early Phases of Synucleinopathy. *bioRxiv : the preprint server for biology*.

Fatima S, et al. (2026) Stress-specific expression of HSPA and DNAJ chaperones regulated by NRF2/HSF1 in neurodegenerative conditions. *Molecular and cellular biochemistry*, 481(4), 1661.

Fricke C, et al. (2026) Thermodynamic stability modulates chaperone-mediated disaggregation of α -synuclein fibrils. *Chemical science*, 17(1), 283.

Li X, et al. (2026) NMR characterization of the structure and interaction of an RNA aptamer targeting α -synuclein. *Biochemical and biophysical research communications*, 821, 153874.

Lai TT, et al. (2025) The basolateral amygdala and striatum propagate alpha-synuclein pathology causing increased fear response in a Parkinson's disease model. *Brain, behavior, and immunity*, 128, 469.

Moosakhani B, et al. (2025) Inhibition of cytotoxic fibril formation of α -synuclein and human insulin by Silymarin from the *Silybum marianum*. *PloS one*, 20(5), e0320283.

Allerton SC, et al. (2025) Molecular Rotors Detect the Formation and Conversion of α -Synuclein Oligomers. *ACS applied materials & interfaces*, 17(7), 10499.

Bräuer S, et al. (2025) Recursive seed amplification detects distinct α -synuclein strains in cerebrospinal fluid of patients with Parkinson's disease. *Acta neuropathologica communications*, 13(1), 13.

Wang H, et al. (2025) Live-cell quantification reveals viscoelastic regulation of synapsin condensates by α -synuclein. *Science advances*, 11(16), eads7627.

McGlinchey RP, et al. (2025) Defining essential charged residues in fibril formation of a lysosomal derived N-terminal α -synuclein truncation. *Nature communications*, 16(1), 3825.

Gharb M, et al. (2025) Photochemically synthesized gold nanoparticles conjugated with Boswellic acid inhibit alpha synuclein aggregation and delay fibrillation kinetics. *Scientific reports*, 15(1), 25886.

Balta D, et al. (2025) Recombinant cathepsins B and L promote α -synuclein clearance and restore lysosomal function in human and murine models with α -synuclein pathology. *Molecular neurodegeneration*, 20(1), 95.

Eubanks E, et al. (2025) Increased burden of rare risk variants across gene expression networks predisposes to sporadic Parkinson's disease. *Cell reports*, 44(5), 115636.

Khan E, et al. (2025) Rotenone accelerates endogenous α -synuclein spreading and enhances neurodegeneration in an intra-striatal α -synuclein preformed fibril injected mouse model of Parkinson's disease. *Frontiers in cellular neuroscience*, 19, 1624593.

Vekrellis K, et al. (2025) Proteolytic activities of extracellular vesicles attenuate A-synuclein aggregation. *NPJ Parkinson's disease*, 11(1), 277.

Raghavan A, et al. (2024) Astroglia proliferate upon the biogenesis of tunneling nanotubes via α -synuclein dependent transient nuclear translocation of focal adhesion kinase. *iScience*, 27(8), 110565.

Eubanks E, et al. (2024) Increased burden of rare risk variants across gene expression networks predisposes to sporadic Parkinson's disease. *bioRxiv : the preprint server for biology*.

Farzadfard A, et al. (2024) Thermodynamic characterization of amyloid polymorphism by microfluidic transient incomplete separation. *Chemical science*, 15(7), 2528.

Dobert JP, et al. (2024) Activation and Purification of β -Glucocerebrosidase by Exploiting its Transporter LIMP-2 - Implications for Novel Treatment Strategies in Gaucher's and Parkinson's Disease. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 11(25), e2401641.

Teng X, et al. (2024) Interplay between Copper, Phosphatidylserine, and α -Synuclein Suggests a Link between Copper Homeostasis and Synaptic Vesicle Cycling. *ACS chemical neuroscience*, 15(15), 2884.