Resource Summary Report

Generated by nidm-terms on Aug 15, 2026

pDEST53-LRRK2-WT

RRID:Addgene_25044
Type: Plasmid

Proper Citation

RRID:Addgene_25044

Plasmid Information

URL: http://www.addgene.org/25044

Proper Citation: RRID:Addgene_25044

Insert Name: LRRK2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:16750377

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:7767; Vector Backbone:pcDNA-DEST53; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pDEST53-LRRK2-WT

Record Creation Time: 20220422T222111+0000

Record Last Update: 20260815T081236+0000

Ratings and Alerts

No rating or validation information has been found for pDEST53-LRRK2-WT.

No alerts have been found for pDEST53-LRRK2-WT.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 15 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Zhu H, et al. (2025) Salmonella exploits LRRK2-dependent plasma membrane dynamics to invade host cells. Nature communications, 16(1), 2329.

Malankhanova T, et al. (2025) LRRK2 interactions with microtubules are independent of LRRK2-mediated Rab phosphorylation. EMBO reports, 26(13), 3445.

Chatterjee D, et al. (2025) Selectivity profiles and substrate recognition of Rab-phosphorylating kinases. The Biochemical journal, 482(17), 1307.

Vela-Desojo L, et al. (2025) A new LRRK2 variant in a family with Parkinson's disease affects binding to RAB8A. NPJ Parkinson's disease, 11(1), 154.

Sandoval A, et al. (2025) The Leucine-Rich Repeat Kinase 2 Variant LRRK2G2019S Up-Regulates L-Type (CaV1.3) Calcium Channel via the CaV?3 Subunit: Possible Role in the Pathogenesis of Parkinson's Disease. International journal of molecular sciences, 26(7).

Zhu H, et al. (2024) Pharmacology of LRRK2 with type I and II kinase inhibitors revealed by cryo-EM. Cell discovery, 10(1), 10.

Filippini F, et al. (2023) Secretion of VGF relies on the interplay between LRRK2 and post-Golgi v-SNAREs. Cell reports, 42(3), 112221.

Fdez E, et al. (2022) Pathogenic LRRK2 regulates centrosome cohesion via Rab10/RILPL1-mediated CDK5RAP2 displacement. iScience, 25(6), 104476.

Snead DM, et al. (2022) Structural basis for Parkinson's disease-linked LRRK2's binding to microtubules. Nature structural & molecular biology, 29(12), 1196.

Oliveira SR, et al. (2021) miR-335 Targets LRRK2 and Mitigates Inflammation in Parkinson's Disease. Frontiers in cell and developmental biology, 9, 661461.

Lin YE, et al. (2021) Glial Nrf2 signaling mediates the neuroprotection exerted by Gastrodia elata Blume in Lrrk2-G2019S Parkinson's disease. eLife, 10.

Myasnikov A, et al. (2021) Structural analysis of the full-length human LRRK2. Cell, 184(13), 3519.

Osuagwu N, et al. (2019) Poly-ADP-ribose assisted protein localization resolves that DJ-1, but not LRRK2 or ?-synuclein, is localized to the mitochondrial matrix. PloS one, 14(7), e0219909.

Neethling A, et al. (2019) Wild-type and mutant (G2019S) leucine-rich repeat kinase 2 (LRRK2) associate with subunits of the translocase of outer mitochondrial membrane (TOM) complex. Experimental cell research, 375(2), 72.

Su YC, et al. (2015) Threonine 56 phosphorylation of Bcl-2 is required for LRRK2 G2019S-induced mitochondrial depolarization and autophagy. Biochimica et biophysica acta, 1852(1), 12.