Resource Summary Report

Generated by NIF on Aug 10, 2026

LRRK2-WT

RRID:Addgene_17609
Type: Plasmid

Proper Citation

RRID:Addgene_17609

Plasmid Information

URL: http://www.addgene.org/17609

Proper Citation: RRID:Addgene_17609

Insert Name: LRRK2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:16269541

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5500; Vector Backbone:pcDNA3.1 myc/his A; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Compared to GenBank reference sequence NP_940980.3, the LRRK2 insert in this plasmid contains a M2397T mutation.

Plasmid Name: LRRK2-WT

Record Creation Time: 20220422T222017+0000

Record Last Update: 20260808T081302+0000

Ratings and Alerts

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

No alerts have been found for LRRK2-WT.

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 NIF .

Liu Q, et al. (2024) CalDAG-GEFI acts as a guanine nucleotide exchange factor for LRRK2 to regulate LRRK2 function and neurodegeneration. Science advances, 10(47), eadn5417.

Liu Q, et al. (2023) Regulation of LRRK2 mRNA stability by ATIC and its substrate AICAR through ARE-mediated mRNA decay in Parkinson's disease. The EMBO journal, 42(15), e113410.

Liu Q, et al. (2021) Dysregulation of the AP2M1 phosphorylation cycle by LRRK2 impairs endocytosis and leads to dopaminergic neurodegeneration. Science signaling, 14(693).

Zhu Y, et al. (2019) Isoprenylcysteine carboxylmethyltransferase is associated with nasopharyngeal carcinoma chemoresistance and Ras activation. Biochemical and biophysical research communications, 516(3), 784.

Yu M, et al. (2018) LRRK2 mediated Rab8a phosphorylation promotes lipid storage. Lipids in health and disease, 17(1), 34.

Penney J, et al. (2016) LRRK2 regulates retrograde synaptic compensation at the Drosophila neuromuscular junction. Nature communications, 7, 12188.

Prabhudesai S, et al. (2016) LRRK2 knockdown in zebrafish causes developmental defects, neuronal loss, and synuclein aggregation. Journal of neuroscience research, 94(8), 717.