Resource Summary Report

Generated by RRID on Aug 22, 2026

pBI-EGFP-MnSOD

RRID:Addgene_16612
Type: Plasmid

Proper Citation

RRID:Addgene_16612

Plasmid Information

URL: http://www.addgene.org/16612

Proper Citation: RRID:Addgene_16612

Insert Name: MnSOD

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:11590433

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:5200; Vector Backbone:pBI-EGFP2; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Contains full length MnSOD gene including the mitochondrial leader sequence.

Plasmid Name: pBI-EGFP-MnSOD

Record Creation Time: 20220422T221936+0000

Record Last Update: 20260815T080934+0000

Ratings and Alerts

No rating or validation information has been found for pBI-EGFP-MnSOD.

No alerts have been found for pBI-EGFP-MnSOD.

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 RRID .

Wu D, et al. (2025) G??13 Promotes Clonogenic Growth by Increasing Tolerance to Oxidative Metabolic Stress in Prostate Cancer Cells. International journal of molecular sciences, 26(10).

Li W, et al. (2022) Endothelial cells regulate astrocyte to neural progenitor cell trans-differentiation in a mouse model of stroke. Nature communications, 13(1), 7812.

Chen CW, et al. (2020) NME3 Regulates Mitochondria to Reduce ROS-Mediated Genome Instability. International journal of molecular sciences, 21(14).

Strong MD, et al. (2020) Role of zinc transporter ZIP12 in susceptibility-weighted brain magnetic resonance imaging (MRI) phenotypes and mitochondrial function. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 34(9), 10702.

Hu D, et al. (2019) Alpha-synuclein suppresses mitochondrial protease ClpP to trigger mitochondrial oxidative damage and neurotoxicity. Acta neuropathologica, 137(6), 939.

Chien CH, et al. (2019) Enrichment of superoxide dismutase 2 in glioblastoma confers to acquisition of temozolomide resistance that is associated with tumor-initiating cell subsets. Journal of biomedical science, 26(1), 77.

Zhao C, et al. (2016) Pomegranate-Derived Polyphenols Reduce Reactive Oxygen Species Production via SIRT3-Mediated SOD2 Activation. Oxidative medicine and cellular longevity, 2016, 2927131.