



Mar 31, 2023

Protocol collection - "Glucocerebrosidase is imported into mitochondria and preserves complex I integrity and energy metabolism"

DOI

<https://dx.doi.org/10.17504/protocols.io.6qpvr4zr3gmk/v1>

michela.deleidi¹, Maria Jose Perez J.¹, Pascale Baden¹, Federico Bertoli¹, Hariam Raji¹

¹German Center for Neurodegenerative Diseases (DZNE), Tübingen, 72076 Germany



Federico Bertoli

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Protocol status: Working

We use this collection and it's working

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Abstract

Collection of protocols of Deleidi Lab used in the publication: "Glucocerebrosidase is imported into mitochondria and preserves complex I integrity and energy metabolism"



Files

 SEARCH

Protocol

NAME

Gcase co-immunoprecipitation

VERSION 1

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Single cell dissociation of brain organoids

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Plasmid-reprogramming of human fibroblasts

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Sequencing of construct

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Single cell analysis of iPSC-derived midbrain organoids

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Complex I activity assay

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Midbrain-like Organoids generation from hiPSCs

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Expansion microscopy

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Mitochondrial complex activity assays

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Neuromelanin staining (Fontana-Masson staining)+ TH-DAB staining on midbrain organoids

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Differentiation NPCs to Dopaminergic/Midbrain Neurons

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In vitro GCase activity assay (total cell lysate)

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