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Protocol status: Working
We use this collection and it's working

Created: Mar 30, 2023

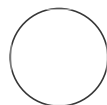
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COLLECTION integer ID:
79782

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

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Federico Bertoli

ABSTRACT

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

Protocol



NAME

Gcase co-immunoprecipitation

VERSION 1

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Federico Bertoli

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Single cell dissociation of brain organoids

VERSION 1

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Plasmid-reprogramming of human fibroblasts

VERSION 1

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Sequencing of construct

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NAME



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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NAME

Soluble and insoluble A-SYN fractionation

VERSION 1

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Mitochondrial complex activity assays

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NAME

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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NAME

In vitro GCase activity assay (total cell lysate)

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