

APR 03, 2023

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dx.doi.org/10.17504/protocol s.io.x54v9d44mg3e/v1

Collection Citation: michela. deleidi, Pascale Baden, María José Pérez J., Hariam Raji, Federico Bertoli 2023. Glucocerebrosidase is imported into mitochondria and preserves complex I integrity and energy metabolism - ASAP protocol collection. protocols.io https://dx.doi.org/10.17504/protocols.io.x54v9d44mg3e/v1

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

Created: Apr 03, 2023

Last Modified: Apr 03, 2023

COLLECTION integer ID:

79922

Glucocerebrosidase is imported into mitochondria and preserves complex I integrity and energy metabolism - ASAP protocol collection

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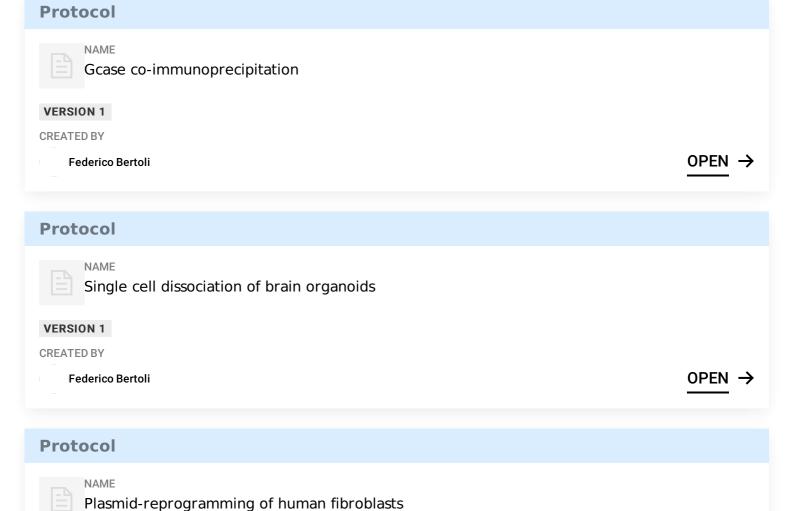
Hariam Raji

ABSTRACT

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

Keywords: ASAPCRN, Glucocerebrosidase is imported into mitochondria and preserves complex I integrity and energy metabolism

FILES



Protocol

VERSION 1
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NAME

Federico Bertoli

Sequencing of construct

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Protocol



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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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Endogenous coimmunoprecipitation

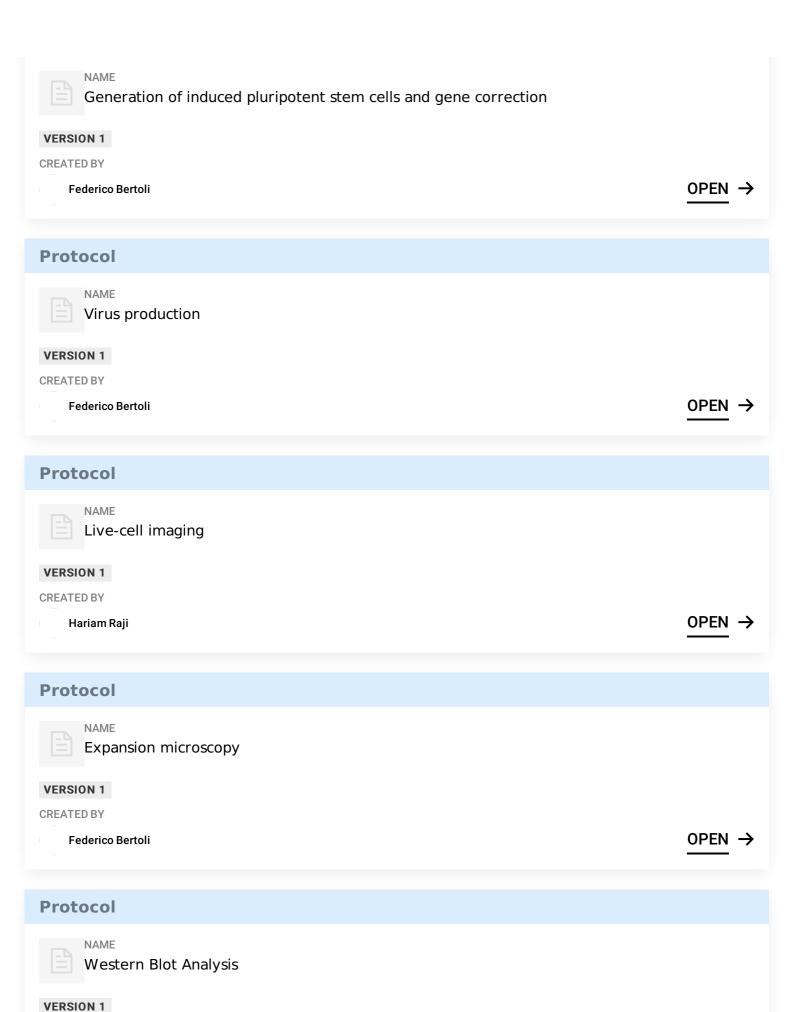
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Soluble and insoluble A-SYN fractionation

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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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Immunofluorescence staining

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In vitro GCase activity assay (total cell lysate)

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Flag co-immunoprecipitation

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Constructs and generation of stable cell lines

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