

ND4, ND5 bind the 550kDa complex to form the 815kDa complex

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Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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Literature references

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Reactome database release: 73

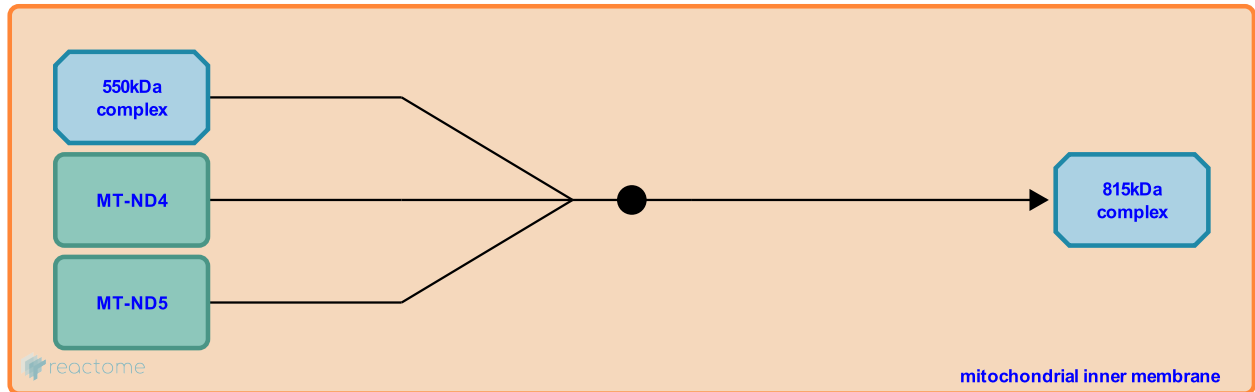
This document contains 1 reaction ([see Table of Contents](#))

ND4, ND5 bind the 550kDa complex to form the 815kDa complex ↗

Stable identifier: R-HSA-6799197

Type: binding

Compartments: mitochondrial inner membrane



Distal components of the membrane arm MT-ND4 and 5 associate with the 550kDa complex to form the 815kDa complex (McKenzie & Ryan 2010, Andrews et al. 2013).

Literature references

McKenzie, M., Ryan, MT. (2010). Assembly factors of human mitochondrial complex I and their defects in disease. *IUBMB Life*, 62, 497-502. ↗

Andrews, B., Carroll, J., Ding, S., Fearnley, IM., Walker, JE. (2013). Assembly factors for the membrane arm of human complex I. *Proc. Natl. Acad. Sci. U.S.A.*, 110, 18934-9. ↗

Editions

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