

Cell Reports

Supplemental Information

**MITRAC7 Acts as a COX1-Specific Chaperone  
and Reveals a Checkpoint during Cytochrome c  
Oxidase Assembly**

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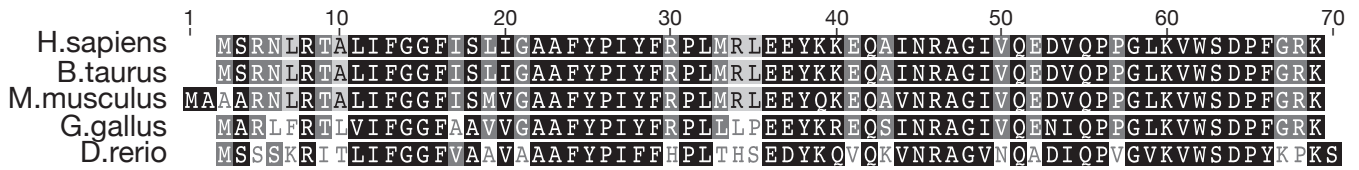


Figure S1. MITRAC7 is conserved in metazoa. Related to Figure 1.

Alignment of MITRAC7 homologous proteins of selected metazoa species using ClustalW2. Black boxes, 100% similar amino acids; dark grey, 80–100% similarity; light grey, 60–80% similarity between species.



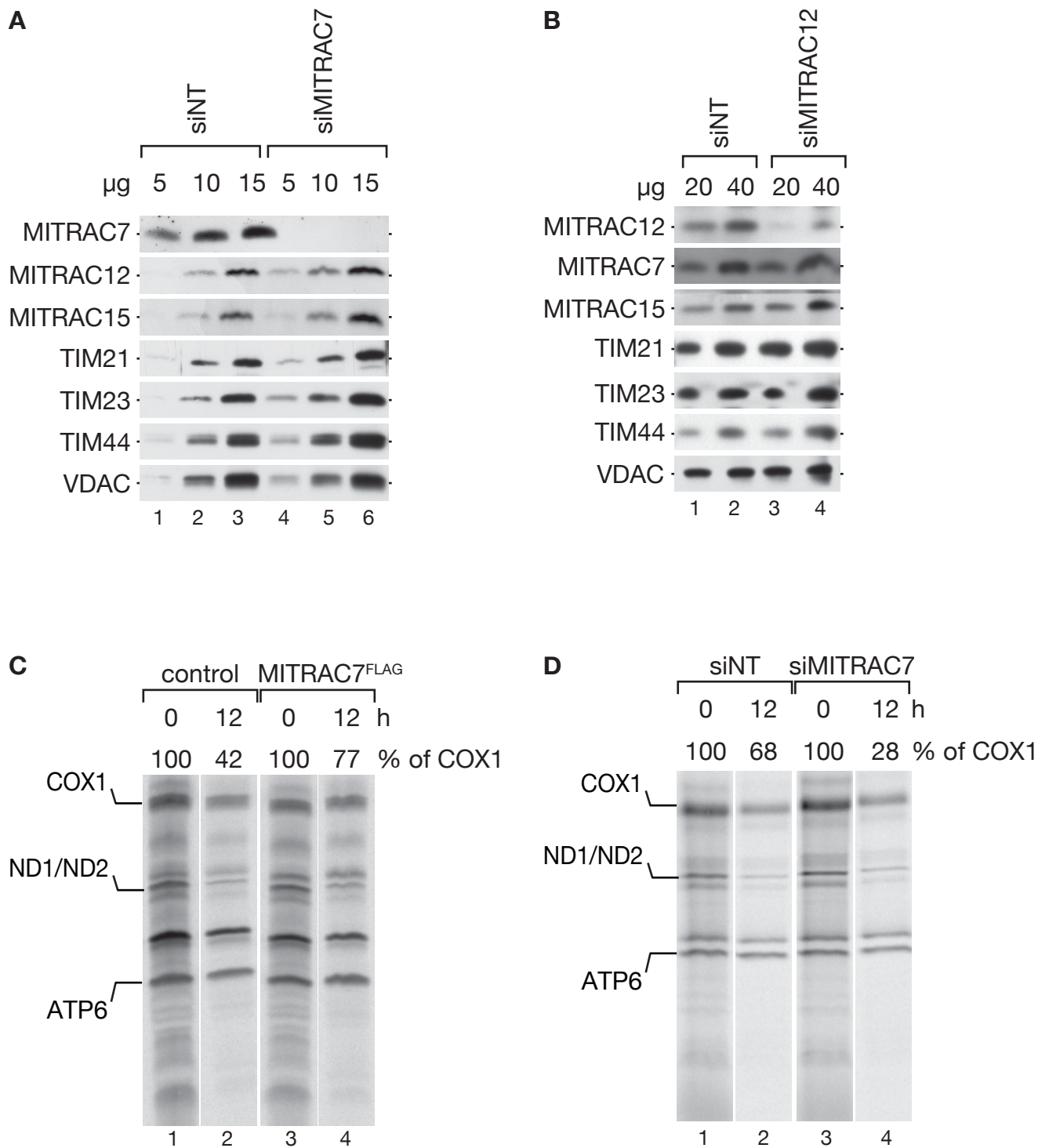


Figure S3. MITRAC7 and MITRAC12 stability do not depend on each other. Related to Figure 4 and 6.

After depletion of MITRAC7 or MITRAC12 in HEK293T cells, mitochondria (A) or cell extracts (B) were analyzed by Western-blotting. Membranes were probed with indicated antibodies.

(C) and (D) Mitochondrial translation products were pulse-labeled with [<sup>35</sup>S]methionine for 1hr either after MITRAC7 over expression (C) or depletion (D) and further cultured in the absence of [<sup>35</sup>S]methionine (chase) for 12 hr. Whole cell lysates (50 µg) were subjected to digital autoradiography.