

SUPPLEMENTARY ONLINE DATA Mitochondrial carrier protein biogenesis: role of the chaperones Hsc70 and Hsp90

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Figure S1 The PiC presequence determines Hsc70 interactions

(A) The reticulocyte lysates, containing radiolabelled pPiC and mPiC, were centrifuged at 40000 rev./min for 45 min at 2 °C using a Ti50 rotor (Beckman). The supernatants (S) and pellets (P) were analysed by SDS/PAGE and fluorography. (B) pPiC and mPiC were radiolabelled by cell-free translation in reticulocyte lysate and incubated with purified His-tagged Hop TPR1 and TPR2A fragments. The protein complexes were recovered by chromatography on Ni-NTA (Ni²⁺-nitrilotriacetate)–agarose. The beads were washed and analysed by SDS/PAGE and fluorography. (C) ³⁵S-labelled pPiC (p) and mPiC (m) were incubated with isolated rat liver mitochondria at 25 °C for the times indicated (5, 10, 15 or 20 min). Reactions contained either no addition (–) or purified C-Bag fragment (+). All samples were subsequently treated with proteinase K and the mitochondria was assayed as described in (C) above. Reactions contained either no addition (–) or purified C-90 fragment (+).

Received 24 November 2008/13 January 2009; accepted 14 January 2009 Published as BJ Immediate Publication 14 January 2009, doi:10.1042/BJ20082270

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