

Expanded View Figures

	PX(D,E)XX(K,R)		
	PCD1	PCD2	PCD3
SLC25A1	45PTEYVK ₅₀	142PMETIK ₁₄₇	240PLDVIK ₂₄₅
SLC25A4	28PIERVK ₃₃	133PLDFAR ₁₃₈	230PFDTV ₂₃₅
SLC25A7	33PLDTAK ₃₈	133PTEVVK ₁₃₈	232PVDVVK ₂₃₇
SLC25A46	119PCIVLR ₁₂₄	215PFYSAS ₂₂₀	333PLETVL ₃₃₈
MTCH1	98PLLYVK ₁₀₃	214PLHVIS ₂₁₉	327PFLLVG ₃₃₂
MTCH2	20PLMYVK ₂₅	140PFHVIT ₁₄₅	236PFVLVS ₂₄₁

Figure EV1. Sequences of the putative functional carrier (PCD) domains in three typical mitochondrial metabolite carrier proteins, SLC25A46, MTCH1, and MTCH2.

The consensus sequence is shown at the top of the figure. SLC25A1 is the citrate carrier, SLC25A4 is the adenine nucleotide translocase, and SLC25A7 is a proton carrier (uncoupling protein 1).

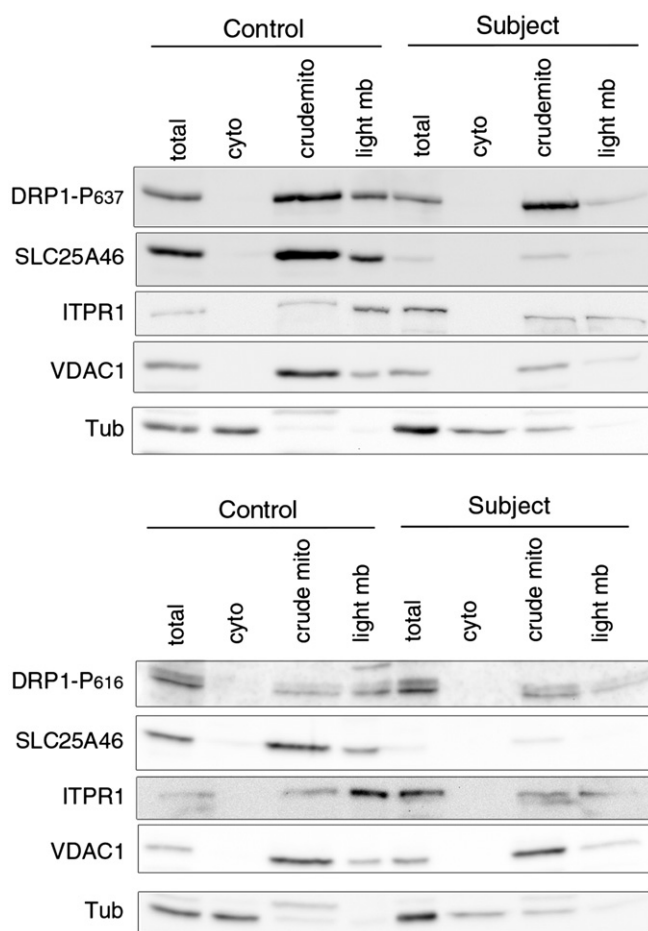


Figure EV2. Role of SLC25A46 in mitochondrial recruitment of phosphorylated forms of DRP1.

Immunoblot analysis of the localization of phosphorylated forms of DRP1 in control and subject fibroblasts after subcellular fractionation. Upper panel: DRP1 phosphorylated on serine 637. Bottom panel: DRP1 phosphorylated on serine 616. ITPR1 was used as an ER marker, VDAC1 as a mitochondrial marker, and alpha-tubulin as a cytosolic marker.

Source data are available online for this figure.