

Animals

ATFS-1
(ATF4, ATF5)

mTOR inhibition,
eIF2 α
phosphorylation

HSF1

NRF2 (?)

Yeast

HAP
complex

Ribosomal
redox switches

Hsf1

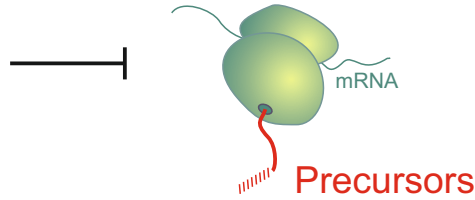


Rpn4

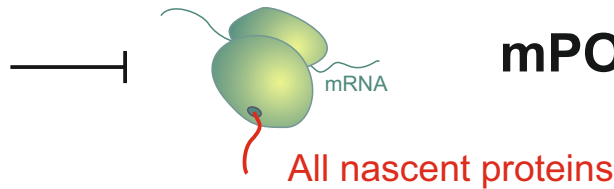


Pdr3

Response



UPR^{mt}



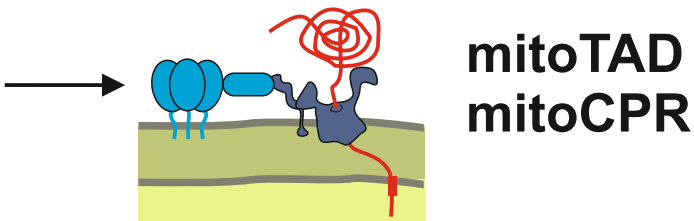
mPOS



HSR



UPRam



mitoTAD
mitoCPR

Problem solving by

Fewer mitochondrial
precursors

Fewer nascent proteins

More chaperones

Improved proteolysis

Removal of stalled
import intermediates