



Mice Deficient in Phosphorylation of Eukaryotic Translation Initiation Factor 2 Alpha (eIF2 α)

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Category

Research Tools and Reagents

Inventor

Randal Kaufman

Donalyn Scheuner

Further information

Emily Bowers

bowersea@umich.edu

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INNOVATION

The Eif2a^{S51A} mutation in these mice prevents phosphorylation of the α subunit of eIF2. Phosphorylation of eIF2 α in the endoplasmic reticulum (ER) is required for translational regulation, transcriptional induction, and survival in response to ER stress. These Eif2s1 knock-out mice lack translational and transcriptional regulation in the endoplasmic reticulum. These mice may be useful in diabetes research.

ADDITIONAL DETAILS

Jackson <https://www.jax.org/strain/017601>