

# Tafazzin KO Mouse

**Catalogue number:** 153237

**Sub-type:** Mouse

**Images:**

## Contributor

**Inventor:** Douglas Strathdee

**Institute:** Cancer Research UK, Glasgow: The Beatson Institute

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Tafazzin KO Mouse

**Alternate name:** Taz1; G4.5; TAZ1; CMD3A; EFE2; LVNCX; EFE; XAP-2; BTHS; 3-Methylglutaconic aciduria type II

**Class:**

**Conjugate:**

**Description:** Barth syndrome is a rare X-linked genetic disorder which affects multiple body systems and is almost exclusively only diagnosed in males. The syndrome is characterized by a weakened and enlarged heart, skeletal myopathy, recurrent infections due to neutropenia and short physical stature. Dilated cardiomyopathy associated with Barth syndrome is often present at birth or develops within the first months of life. The heart muscle gradually weakens and becomes less capable to pump blood around the vasculature. Tafazzin (Taz), a protein encoded by the Taz gene in humans functions as a phospholipid-lysophospholipid transacylase. It is highly expressed in cardiac and skeletal muscle and involved in the metabolism of cardiolipin, a mitochondrial specific phospholipid.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:** Conditional KO

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** Cre-mediated recombination excises several introns and exons from the Taz gene

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:** HM-1 embryonic stem cells were used to construct this mouse model.

## Target details

**Target:** Tafazzin (Taz) Gene

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:**

## Related tools

**Related tools:**

# References

References:

CancerTools.org