

Tafazzin KO Mouse

Catalogue number: 153237

Tool type:

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.

Patient details

Cancer subtype:

Cancer stage/grade:

Biopsy site:

Patient ethnicity:

Treatment history:

Engraftment details

Mice passaged?:

Engraftment site:

Sample type:

Host strain:

Histology:

Genetic data:

CancerTools.org

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