

RBMXL2 conditional KO mouse

Catalogue number: 154265

Sub-type: Mouse

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: RBMXL2 conditional KO mouse

Alternate name: RBMX Like 2, Testis-Specific Heterogeneous Nuclear Ribonucleoprotein G-T, RNA-Binding Motif Protein, X-Linked-Like-2, HNRNPGT

Class:

Conjugate:

Description: DNA within a gene is transcribed to make molecules of ribonucleic acid (RNA). The cell then modifies many of these RNAs in a process called splicing before using them as templates to make proteins. The RBMXL2 protein is involved in pre-mRNA processing, metabolism and transport and is only made during and after meiosis in humans and most other mammals. RBMXL2 is primarily localized to the nuclei of meiotic spermatocytes and as such is a candidate gene for autosomal male infertility

Purpose:

Parental cell:

Organism:

Tissue:

Model: Conditional KO

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

A targeting construct in which the Rbmxl2 open reading frame was flanked by LoxP sites was made using standard molecular biology techniques, and electroporated into ES129 cells. Positive clones were injected into blastocysts to create chimaeras and bred to yield agouti pups heterozygous for the targeted locus. The original mice containing the Neomycin gene were crossed to FlpE mice to remove the Neo gene and to generate the Rbmxl2 LoxP conditional allele. Crossing with a Cre expressing mouse is required for knockdown

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: RBMXL2

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: Tkachuk et al. 1975. FEBS Lett. 52(1):66-8. PMID: 1123084.

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