K5R2b Null Mouse

Catalogue number: 151561
Sub-type: Mouse
Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: K5R2b Null Mouse

Alternate name:

Class:
Conjugate:
Description: A mouse model with epidermal FgfR 2b expression knocked out. The mouse lives a normal life span but has altered hair morphology. It has a tendency to develop skin papillomas spontaneously and development of these can be accelerated greatly by use of a carcinogen.
Purpose:
Parental cell:
Organism:
Tissue:
Model: Knock-Out
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details: Homozygous Fgfr2bflox/flox mice, carrying a loxP flanked IIIb exon of FGFR2, were crossed with male heterozygous K5-Cre mice, carrying Cre recombinase transgene under control of the Keratin-5 promoter. Mice were maintained on a mixed 129/C57BL6 background.
Formulation:
Recommended controls:

Bacterial resistance:
Selectable markers:
Additional notes: The K5-R2b-null mouse is an ideal tool in the study of the tumour suppressive role of the FGFR2 IIIb isoform in skin tumourigenesis.Skin tumours develop in K5-R2b-null mice following two-step carcinogen treatment with DMBA and TPA.

Target details

Target: Fibroblast growth factor receptor 2 isoform IIIb (FGFR2IIIb)

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application: The K5-R2b-null mouse is an ideal tool in the study of the tumour suppressive role of the FGFR2 IIIb isoform in skin tumourigenesis.Skin tumours develop in K5-R2b-null mice following two-step carcinogen treatment with DMBA and TPA.
Application notes:

Handling

Format:
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Embryo/Spermatoza- Dry Ice

Related tools

Related tools:

References

References: Stringer et al. 2012. Development. 139(3):465-74. PMID: 22190642. ; Cdx2 determines the fate of postnatal intestinal endoderm. ; Kemp et al. 2004. Nucleic Acids Res. 32(11):e92. PMID: 15247325. ; Elimination of background recombination: somatic induction of Cre by combined transcriptional regulation and hormone binding affinity. ; Ireland et al. 2004. Gastroenterology. 126(5):1236-46. PMID: 15131783. ; Inducible Cre-mediated control of gene expression in the murine gastrointestinal tract: effect of loss of beta-catenin.