Raf-1FF/FF knockin mouse

Catalogue number: 151477
Sub-type: Mouse
Images:

Contributor

Inventor: Catrin Pritchard
Institute: University of Leicester
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Raf-1FF/FF knockin mouse

Alternate name:

Class:
Conjugate:
Description: A knockin of inactive Raf-1FF/FF mutant; can be use for in vivo study of inactive Raf-1 mutant, and Ras signalling;
Purpose:
Parental cell:
Organism:
Tissue:
Model: Knock-In
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details: A Raf-1 targeting vector, encoding Raf-1 with a substitution at residues 340 (Y to F) and 341 (Y to F), and a loxP flanked resistance cassette, was transfected into 129Ola ES cells. Properly targeted ES cells containing a homologous recombination event were selected, and transfected with a Cre expressing vector to excise the resistance cassette. Targeted ES cells were then injected into C57BL/6 blastocysts. Chimeric offspring were bred with C57BL/6 mice to yield mice

heterozygous for the mutant allele.
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes: Genetic Background / Cross History : C57BL/6

Target details

Target: Raf1 Y340F Y341F (inactive mutant)

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: Embryo/Spermatoza- Dry Ice

Related tools

Related tools: MEF Raf1 FF/FF KI Cell Line

References

References: Hser et al. 2001. EMBO J. 20(8):1940-51. PMID: 11296227. ; MEK kinase activity is not necessary for Raf-1 function.