GSTP1GSTP2 KO Mouse

Catalogue number: 151443
Sub-type: Mouse
Images:

Contributor

Inventor: Roland Wolf ; Colin Henderson
Institute: University of Dundee
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: GSTP1GSTP2 KO Mouse

Alternate name:

Class:
Conjugate:
Description: In vivo study of GSTP1/2 (regulator of protein synthesis/degradation) knockout in tumourigenesis, drug metabolism and toxicity; disease model for drug metabolism and toxicity; tumourigenesis model (skin, lung) (chemically induced)
Purpose:
Parental cell:
Organism:
Tissue:
Model: Knock-Out
Gender:
Isotype:
Reactivity:
Selectivity:
Host:
Immunogen:
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details: A Gstp1/2 targeting vector, replacing all of the Gstp1 gene and exons 6 and 7 of the Gstp2 gene with a resistance cassette, was transfected into E14Tg2a.IV ES cells. Properly targeted ES cells containing a homologous recombination event were selected, cloned, and injected into blastocysts. Chimeric mice were mated with MF1 mice to generate mice heterozygous for

GSTP1/2 knockout. Heterozygous mice were interbred to generate mice homozygous for GSTP1/2 knockout.
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Glutathione Transferase P1 and P2 (GSTP1, GSTP2)

Target alternate names:

Target background: Regulator of protein synthesis/degradation

Molecular weight:

Ic50:

Applications

Application: Lung and skin tumourigenesis modeling; drug metabolism; drug toxicity studies
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: Haase et al. 2001. J Clin Invest. 108(4):527-36. PMID: 11518726. ; A role for mitogen-activated protein kinase activation by integrins in the pathogenesis of psoriasis. ; Carroll et al. 1995. Cell. 83(6):957-68. PMID: 8521519. ; Carroll et al. 1995. Cell. 83(6):957-68. PMID: 8521519. ; Suprabasal integrin expression in the epidermis of transgenic mice results in developmental defects and a phenotype resembling psoriasis.