

MEF UNG KO Cell Line

Catalogue number: 151559

Sub-type:

Images:

Contributor

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Institute: Cancer Research UK, London Research Institute: Clare Hall Laboratories

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: MEF UNG KO Cell Line

Alternate name:

Class:

Conjugate:

Description: The MEF UNG KO Cell Line is a tool for in vivo study of the function of UNG and the effects of DNA mismatch during DNA synthesis. UNG encodes one of several uracil-DNA glycosylases. One important function of uracil-DNA glycosylases is to prevent mutagenesis by eliminating uracil from DNA molecules by cleaving the N-glycosylic bond and initiating the base-excision repair (BER) pathway.

Purpose:

Parental cell:

Organism: Mouse

Tissue: Embryo

Model: Knock-Out

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details: Primary MEFs were prepared from embryos, and permanent cell lines established from transformed clones arising spontaneously after repeated passage in culture, by standard

procedures

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Uracil-DNA Glycosylase (UNG)

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: DMEM:F12 (1:1) + 10% FCS.

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: Vapor phase of liquid nitrogen. Storage at -70° C will result in loss of viability.

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Yang et al. 2007. Cell. 131(5):873-86. PMID: 18045533. ; Trex1 exonuclease degrades ssDNA to prevent chronic checkpoint activation and autoimmune disease. ; Morita et al. 2004. Mol Cell Biol. 24(15):6719-27. PMID: 15254239. ; Gene-targeted mice lacking the Trex1 (DNase III) 3'-->5' DNA exonuclease develop inflammatory myocarditis.

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