

# UNG Mouse

**Catalogue number:** 151556

**Sub-type:** Mouse

**Images:**

## Contributor

**Inventor:** Tomas Lindahl

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

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** UNG Mouse

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** In vivo study of UNG knockout and DNA mismatch mutation during DNA synthesis. Mice develop B cell lymphoma and are abnormally defective in their immune response. There are also mouse embryonic fibroblasts from this line available.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** A ung targeting vector, replacing exon 4 with a resistance cassette, was transfected into 129 ES cells. Properly targeted ES cells containing a homologous recombination event were selected, cloned, and injected into C57BL6 blastocysts. Chimeric mice were mated with C57BL6 mice to generate heterozygotes. Heterozygous mice were crossed to generate homozygous Ung-/-

mice.

**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:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Embryo/Spermatozoa- Dry Ice

## Related tools

**Related tools:**

## References

**References:** Peat et al. 1992. Cancer Res. 52(7):1954-60. PMID: 1372533. ; Tissue-specific expression of a human polymorphic epithelial mucin (MUC1) in transgenic mice.

CancerTools.org