

# Homozygous Mutant DISC1 (1302) mouse

**Catalogue number:** 156433

**Sub-type:** Mouse

**Images:**

## Contributor

**Inventor:** Mikhail Plentnikov

**Institute:** Johns Hopkins University

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Homozygous Mutant DISC1 (1302) mouse

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** This homozygous mouse strain (1302) carries mutant hDISC1 without gross developmental defects. In this strain, the expression of mutant hDISC1 is restricted to forebrain regions using TET-off system under the control of CAMKII. In addition, the expression can be suppressed by feeding the mice with doxycycline (DOX). These transgenic animals allow selective control of mutant hDISC1 expression in forebrain neurons and, herein provide a valuable research tool to study pathogenesis of schizophrenia and to conduct experimental therapeutics for the disease. This line is on a C57BL6/J background.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:** Mutant

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**  
**Recommended controls:**  
**Bacterial resistance:**  
**Selectable markers:**  
**Additional notes:**

## Target details

**Target:** DISC1

**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:**

## Related tools

**Related tools:**

CancerTools.org

## References

**References:** Pogorelov et al. 2012. Neuropharmacology. 62(3):1242-51. PMID: 21315744. ; Abazyan et al. 2010. Biol Psychiatry. 68(12):1172-81. PMID: 21130225.

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