

Resource Summary Report

Generated by [RRID](#) on Aug 4, 2026

KOMP ES cell line *Manftm1a(KOMP)Wtsi*

RRID:MMRRC_058313-UCD

Type: Organism

Proper Citation

RRID:MMRRC_058313-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/cellLineSDS.php?mmrrc_id=58313

Proper Citation: RRID:MMRRC_058313-UCD

Description: Mus musculus with name KOMP ES cell line *Manftm1a(KOMP)Wtsi* from MMRRC.

Species: Mus musculus

Notes: Research areas: ; Mutation Type: Targeted Mutation ; Collection: KOMP

Phenotype: decreased body size [MP:0001265]| polydipsia [MP:0001426]| hyperglycemia [MP:0001559]| postnatal growth retardation [MP:0001732]| abnormal glucose homeostasis [MP:0002078]| decreased circulating insulin level [MP:0002727]| decreased pancreatic beta cell number [MP:0003339]| fetal growth retardation [MP:0004201]| abnormal fat pad morphology [MP:0005334]| abnormal neuronal migration [MP:0006009]| thin cerebral cortex [MP:0006254]| abnormal neurite morphology [MP:0008415]| abnormal cortical plate morphology [MP:0008439]| thin cortical plate [MP:0008441]| abnormal cortical intermediate zone morphology [MP:0008457]| slow postnatal weight gain [MP:0008489]| decreased pancreatic beta cell mass [MP:0009114]| decreased pancreatic islet number [MP:0009168]| abnormal pancreatic beta cell differentiation [MP:0009175]| abnormal neuronal stem cell morphology [MP:0012203]| increased pancreas apoptosis [MP:0013220]| abnormal translation [MP:0013272]| increased cerebral cortex cell density [MP:0020599]

Affected Gene: Manf

Catalog Number: 058313-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:21677750](#)

Alternate IDs: MMRRC_58313-UCD, MMRRC_058313, MMRRC_58313

Organism Name: KOMP ES cell line *Manftm1a(KOMP)Wtsi*

Record Creation Time: 20230308T055407+0000

Record Last Update: 20260801T125037+0000

Ratings and Alerts

No rating or validation information has been found for KOMP ES cell line *Manftm1a(KOMP)Wtsi*.

No alerts have been found for KOMP ES cell line *Manftm1a(KOMP)Wtsi*.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Mutant Mouse Resource and Research Center (MMRRC)

Usage and Citation Metrics

We have not found any literature mentions for this resource.