

Resource Summary Report

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WI-Ugt2^{em1}YakazTc(HSA4-UGT2)Yakaz/Yakaz

RRID:RGD_625777900

Type: Organism

Proper Citation

RRID:RGD_625777900

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=625777900>

Proper Citation: RRID:RGD_625777900

Description: Rattus norvegicus with name WI-Ugt2^{em1}YakazTc(HSA4-UGT2)Yakaz/Yakaz from RGD.

Species: Rattus norvegicus

Notes: Ugt2 (cluster) KO strain: The Ugt2 cluster was disrupted using the genome editing technology CRISPR/Cas9, and F1 rats (heterozygotes) were produced by crossing with Wistar (Crlj:WI) rats. The F1 rats were then crossed with each other to produce a homozygous strain. Ugt2 KO map Tc (UGT2-MAC) strain (Tc: transchromosomal): After introducing UGT2-MAC into rat ES cells (BLK2i-1), chimera rats were produced, which were then crossed with Wistar rats to produce F1 transmission rats, and further crossed with Wistar rats for several generations to produce strain rats. The MAC vector consists of the following genes: HPRT gene full length sequence, bovine growth hormone (BGH) polyA signal, b-actin promoter, b-globin insulator, CMV-IE enhancer, SV40 polyA signal, loxP sequence, FRT sequence, ampicillin resistance gene, neomycin resistance gene, kanamycin resistance gene, puromycin resistance gene, green fluorescent protein (GFP) gene and its mutants, PGK promoter, mouse chromosome 11 centromere region Tc (UGT2-MAC)-UGT2 strain: The strain was created by crossing the Tc(UGT2-MAC) strain with the Ugt2 (cluster) KO strain. [National BioResource Project for the Rat in Japan](#)

Catalog Number: 625777900

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Embryo (as of 2025-08-06)

Alternate IDs: 625777900

Organism Name: WI-*Ugt2*^{em1Yakaz}Tc(HSA4-UGT2)Yakaz/Yakaz

Record Creation Time: 20250812T054001+0000

Record Last Update: 20260912T202543+0000

Ratings and Alerts

No rating or validation information has been found for WI-*Ugt2*^{em1Yakaz}Tc(HSA4-UGT2)Yakaz/Yakaz.

No alerts have been found for WI-*Ugt2*^{em1Yakaz}Tc(HSA4-UGT2)Yakaz/Yakaz.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.