

Resource Summary Report

Generated by [PRECISE-TBI](#) on Jul 30, 2026

Tg(Mt1-CBS*I278T)1Waku; Cbs^{tm1Unc}/Cbs^{tm1Unc}

RRID:MGI:3851396

Type: Organism

Proper Citation

RRID:MGI:3851396

Organism Information

URL:

Proper Citation: RRID:MGI:3851396

Description: Allele Detail: Transgenic, Targeted This is a legacy resource.

Species: Mus musculus

Notes: Allele Detail: Transgenic, Targeted This is a legacy resource.

Phenotype: abnormal amino acid level, abnormal circulating homocysteine level

Affected Gene: Cbs

Genomic Alteration: Tg(Mt1-CBS*I278T)1Waku, tm1Unc

Catalog Number: 3851396

Background: involves: 129P2/OlaHsd * C3H * C57BL/6

Database: MGI, Mouse Genome Informatics MGI

Database Abbreviation: MGI

Availability: Availability unknown check source stock center

Source References: [PMID:19204075](#)

Organism Name: Tg(Mt1-CBS*I278T)1Waku; Cbs^{tm1Unc}/Cbs^{tm1Unc}

Record Creation Time: 20240120T190331+0000

Record Last Update: 20240130T201840+0000

Ratings and Alerts

No rating or validation information has been found for Tg(Mt1-CBS*I278T)1Waku; Cbs^{tm1Unc}/Cbs^{tm1Unc}.

No alerts have been found for Tg(Mt1-CBS*I278T)1Waku; Cbs^{tm1Unc}/Cbs^{tm1Unc}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: MGI, Mouse Genome Informatics MGI

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Majtan T, et al. (2024) Deciphering pathophysiological mechanisms underlying cystathionine beta-synthase-deficient homocystinuria using targeted metabolomics, liver proteomics, sphingolipidomics and analysis of mitochondrial function. Redox biology, 73, 103222.

Philipp TM, et al. (2024) Mechanism of action and impact of thiol homeostasis on efficacy of an enzyme replacement therapy for classical homocystinuria. Redox biology, 77, 103383.

Park I, et al. (2020) Hypermethioninemia Leads to Fatal Bleeding and Increased Mortality in a Transgenic I278T Mouse Model of Homocystinuria. Biomedicines, 8(8).