Resource Summary Report

Generated by dkNET on Sep 19, 2026

SD-Tg(TRE-TARDBP-M337V)

RRID:RRRC_00633
Type: Organism

Proper Citation

RRID:RRRC_00633

Organism Information

URL: http://rgd.mcw.edu/tools/strains/strains_view.cgi?id=7245494

Proper Citation: RRID:RRRC_00633

Description: Rattus norvegicus with name SD-Tg(TRE-TARDBP-M337V) from RGD.

Species: Rattus norvegicus

Notes: Strain carries a transgene expressing human TDP43 with the M337V mutation under control of a tTA-dependent promoter (TRE). When mated to a second transgenic strain (RRRC:632) that carries a tetracycline-controlled transactivator driven by the mouse choline acetyltransferase (Chat) promoter, the expression of mutant TDP43 in Chat-expressing motor neurons in the double transgenic rats can be induced by withdrawal of doxycycline. Rat Resource and Research Center

Catalog Number: 00633

Background: transgenic

Database: Rat Resource and Research Center (RRRC)

Database Abbreviation: RRRC

Availability: Cryopreserved Sperm (as of 2019-02-05)

Alternate IDs: RGD_7245494, 7245494, RRRC_633, RRRC_0633, RRRC_00633

Organism Name: SD-Tg(TRE-TARDBP-M337V)

Record Creation Time: 20230607T202007+0000

Record Last Update: 20260919T110851+0000

Ratings and Alerts

No rating or validation information has been found for SD-Tg(TRE-TARDBP-M337V) .

No alerts have been found for SD-Tg(TRE-TARDBP-M337V) .

Data and Source Information

Source: Integrated Animals

Source Database: Rat Resource and Research Center (RRRC)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET .

Moszczynski AJ, et al. (2019) Synergistic toxicity in an in vivo model of neurodegeneration through the co-expression of human TDP-43M337V and tauT175D protein. Acta neuropathologica communications, 7(1), 170.

Bi F, et al. (2013) Reactive astrocytes secrete lcn2 to promote neuron death. Proceedings of the National Academy of Sciences of the United States of America, 110(10), 4069.