Resource Summary Report

Generated by NIF on Sep 4, 2026

B6.129S5-*Sigmar1*$^{Gt(OST422756)Lex}$/Mmucd

RRID:MMRRC_036775-UCD
Type: Organism

Proper Citation

RRID:MMRRC_036775-UCD

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=36775

Proper Citation: RRID:MMRRC_036775-UCD

Description: Mus musculus with name B6.129S5-*Sigmar1*$^{Gt(OST422756)Lex}$/Mmucd from MMRRC.

Species: Mus musculus

Notes: Research areas: Models for Human Disease, Neurobiology; Mutation Type: Targeted Mutation ; Collection:

Phenotype: impaired coordination [MP:0001405]| abnormal motor coordination/balance [MP:0001516]| behavioral despair [MP:0002573]

Affected Gene: Sigmar1

Catalog Number: 036775-UCD

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: PMID:19100292, PMID:21862648

Alternate IDs: MMRRC_36775-UCD, MMRRC_036775, MMRRC_36775

Organism Name: B6.129S5-*Sigmar1*$^{Gt(OST422756)Lex}$/Mmucd

Record Creation Time: 20230308T055147+0000

Record Last Update: 20260829T123615+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S5-*Sigmar1*$^{Gt(OST422756)Lex}$/Mmucd.

No alerts have been found for B6.129S5-*Sigmar1*$^{Gt(OST422756)Lex}$/Mmucd.

Data and Source Information

Source: Integrated Animals

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

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Watanabe S, et al. (2023) Sigma-1 receptor maintains ATAD3A as a monomer to inhibit mitochondrial fragmentation at the mitochondria-associated membrane in amyotrophic lateral sclerosis. Neurobiology of disease, 179, 106031.

Sambo DO, et al. (2017) The sigma-1 receptor modulates methamphetamine dysregulation of dopamine neurotransmission. Nature communications, 8(1), 2228.

Pal A, et al. (2012) The sigma-1 receptor protects against cellular oxidative stress and activates antioxidant response elements. European journal of pharmacology, 682(1-3), 12.