

Resource Summary Report

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B6.129S7-Atxn1^{tm1Hzo}/J

RRID:IMSR_JAX:005601

Type: Organism

Proper Citation

RRID:IMSR_JAX:005601

Organism Information

URL: <https://www.jax.org/strain/005601>

Proper Citation: RRID:IMSR_JAX:005601

Description: Mus musculus with name B6.129S7-Atxn1^{tm1Hzo}/J from IMSR.

Species: Mus musculus

Synonyms: B6.129S-Atxn1/J

Notes: gene symbol note: ataxin 1; mutant strain|congenic strain: Atxn1

Affected Gene: ataxin 1

Genomic Alteration: targeted mutation 1; Huda Y Zoghbi

Catalog Number: JAX:005601

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: sperm

Organism Name: B6.129S7-Atxn1^{tm1Hzo}/J

Record Creation Time: 20250513T053651+0000

Record Last Update: 20260815T050559+0000

Ratings and Alerts

No rating or validation information has been found for B6.129S7-Atxn1^{tm1Hzo}/J.

No alerts have been found for B6.129S7-Atxn1^{tm1Hzo}/J.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

Woo DH, et al. (2025) Oral KDS2010, a Monoamine Oxidase-B (MAO-B) Inhibitor, Slows the Deterioration of Motor Coordination in Genetic SCA1 Models by Inhibiting Astrocytic MAO-B-Mediated Inflammation. *Journal of neurochemistry*, 169(12), e70302.

Banez-Coronel M, et al. (2025) Repeat-associated non-AUG translation as a common mechanism for the polyGln ataxias. *Cell reports*, 45(1), 116741.

Douthwaite C, et al. (2024) Probing cerebellar circuit dysfunction in rodent models of spinocerebellar ataxia by means of in?vivo two-photon calcium imaging. *STAR protocols*, 5(1), 102911.

van der Heijden ME, et al. (2024) Cerebellar nuclei cells produce distinct pathogenic spike signatures in mouse models of ataxia, dystonia, and tremor. *eLife*, 12.

Sucha M, et al. (2023) Experimental Treatment with Edaravone in a Mouse Model of Spinocerebellar Ataxia 1. *International journal of molecular sciences*, 24(13).

Coffin SL, et al. (2023) Disruption of the ATXN1-CIC complex reveals the role of additional nuclear ATXN1 interactors in spinocerebellar ataxia type 1. *Neuron*, 111(4), 481.

Pilotto F, et al. (2023) Early molecular layer interneuron hyperactivity triggers Purkinje neuron degeneration in SCA1. *Neuron*, 111(16), 2523.

Liberatore F, et al. (2022) Targeting mGlu1 Receptors in the Treatment of Motor and Cognitive Dysfunctions in Mice Modeling Type 1 Spinocerebellar Ataxia. *Cells*, 11(23).

Notartomaso S, et al. (2013) Pharmacological enhancement of mGlu1 metabotropic glutamate receptors causes a prolonged symptomatic benefit in a mouse model of spinocerebellar ataxia type 1. *Molecular brain*, 6, 48.