Resource Summary Report

Generated by NIF on Aug 24, 2026

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 NIF .

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.