

Resource Summary Report

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FVB.Cg-Smn1^{tm1Hung} Tg(SMN2)2Hung/J

RRID:IMSR_JAX:005058

Type: Organism

Proper Citation

RRID:IMSR_JAX:005058

Organism Information

URL: <https://www.jax.org/strain/005058>

Proper Citation: RRID:IMSR_JAX:005058

Description: Mus musculus with name FVB.Cg-Smn1^{tm1Hung} Tg(SMN2)2Hung/J from IMSR.

Species: Mus musculus

Synonyms: FVB.Cg-Tg(SMN2)2Hung Smn1/J. SMA-like mice line 2

Notes: gene symbol note: transgene insertion 2; Hung Li|survival motor neuron 1|survival of motor neuron 2; centromeric; mutant strain|congenic strain: Tg(SMN2)2Hung|Smn1|SMN2

Affected Gene: transgene insertion 2; Hung Li|survival motor neuron 1|survival of motor neuron 2; centromeric

Genomic Alteration: transgene insertion 2; Hung Li|targeted mutation 1; Hung Li

Catalog Number: JAX:005058

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: live

Organism Name: FVB.Cg-Smn1^{tm1Hung} Tg(SMN2)2Hung/J

Record Creation Time: 20250513T053648+0000

Record Last Update: 20260725T044357+0000

Ratings and Alerts

No rating or validation information has been found for FVB.Cg-Smn1^{tm1Hung} Tg(SMN2)2Hung/J.

No alerts have been found for FVB.Cg-Smn1^{tm1Hung} Tg(SMN2)2Hung/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 [RRID](#) .

El Khoury M, et al. (2023) NADPH oxidase 4 inhibition is a complementary therapeutic strategy for spinal muscular atrophy. *Frontiers in cellular neuroscience*, 17, 1242828.

Meijboom KE, et al. (2022) Dysregulation of Tweak and Fn14 in skeletal muscle of spinal muscular atrophy mice. *Skeletal muscle*, 12(1), 18.

Marasco LE, et al. (2022) Counteracting chromatin effects of a splicing-correcting antisense oligonucleotide improves its therapeutic efficacy in spinal muscular atrophy. *Cell*, 185(12), 2057.

Ev??quoz D, et al. (2021) 7',5'-alpha-bicyclo-DNA: new chemistry for oligonucleotide exon splicing modulation therapy. *Nucleic acids research*, 49(21), 12089.

Bora G, et al. (2021) Microtubule-associated protein 1B dysregulates microtubule dynamics and neuronal mitochondrial transport in spinal muscular atrophy. *Human molecular genetics*, 29(24), 3935.

Setter DO, et al. (2018) Identification of a resilient mouse facial motoneuron population following target disconnection by injury or disease. *Restorative neurology and neuroscience*, 36(3), 417.

Shan M, et al. (2018) Secreted IgD Amplifies Humoral T Helper 2 Cell Responses by Binding Basophils via Galectin-9 and CD44. *Immunity*, 49(4), 709.

Riessland M, et al. (2017) Neurocalcin Delta Suppression Protects against Spinal Muscular Atrophy in Humans and across Species by Restoring Impaired Endocytosis. *American journal of human genetics*, 100(2), 297.

O'Hern PJ, et al. (2017) Decreased microRNA levels lead to deleterious increases in neuronal M2 muscarinic receptors in Spinal Muscular Atrophy models. *eLife*, 6.