

Resource Summary Report

Generated by ASWG on Aug 10, 2026

STOCK Sema7a^{tm1Alk/J}

RRID:IMSR_JAX:005128

Type: Organism

Proper Citation

RRID:IMSR_JAX:005128

Organism Information

URL: <https://www.jax.org/strain/005128>

Proper Citation: RRID:IMSR_JAX:005128

Description: Mus musculus with name STOCK Sema7a^{tm1Alk/J} from IMSR.

Species: Mus musculus

Synonyms: B6.Cg-Sema7a/J

Notes: gene symbol note: sema domain; immunoglobulin domain (Ig); and GPI membrane anchor; (semaphorin) 7A; mutant strain|congenic strain: Sema7a

Affected Gene: sema domain; immunoglobulin domain (Ig); and GPI membrane anchor; (semaphorin) 7A

Genomic Alteration: targeted mutation 1; Alex L Kolodkin

Catalog Number: JAX:005128

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: STOCK Sema7a^{tm1Alk/J}

Record Creation Time: 20250513T053648+0000

Record Last Update: 20260808T050850+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Sema7a^{tm1Alk/J}.

No alerts have been found for STOCK Sema7a^{tm1Alk/J}.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Rutherford TR, et al. (2021) Anoikis resistance in mammary epithelial cells is mediated by semaphorin 7a. Cell death & disease, 12(10), 872.

Loy K, et al. (2021) Semaphorin 7A restricts serotonergic innervation and ensures recovery after spinal cord injury. Cellular and molecular life sciences : CMLS, 78(6), 2911.