

Resource Summary Report

Generated by [NIF](#) on Aug 8, 2026

STOCK *Gba1^{tm1Rlp}* Tg(SNCA*A53T)1Nbm *Snca* *tm1Nbm* Tg(SNCA*A53T)2Nbm/Mmjax

RRID:MMRRC_037633-JAX

Type: Organism

Proper Citation

RRID:MMRRC_037633-JAX

Organism Information

URL: https://www.mmrrc.org/catalog/sds.php?mmrrc_id=37633

Proper Citation: RRID:MMRRC_037633-JAX

Description: Mus musculus with name STOCK *Gba1^{tm1Rlp}* Tg(SNCA*A53T)1Nbm *Snca* *tm1Nbm* Tg(SNCA*A53T)2Nbm/Mmjax from MMRRC.

Species: Mus musculus

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

Phenotype: enlarged liver [MP:0000599] reddish skin [MP:0001190] wrinkled skin [MP:0001211] hyperkeratosis [MP:0001242] decreased body weight [MP:0001262] postnatal lethality [MP:0002082] increased liver weight [MP:0002981] increased spleen weight [MP:0004952] postnatal lethality [MP:0011085] kyphosis [MP:0000160] weakness [MP:0000746] abnormal hippocampus morphology [MP:0000807] abnormal spinal nerve morphology [MP:0001077] weight loss [MP:0001263] hypoactivity [MP:0001402] impaired coordination [MP:0001405] abnormal gait [MP:0001406] short stride length [MP:0001407] abnormal posture [MP:0001504] abnormal digestive system physiology [MP:0001663] abnormal reflex [MP:0001961] abnormal motor capabilities/coordination/movement [MP:0002066] premature death [MP:0002083] gliosis [MP:0002183] abnormal male preputial gland morphology [MP:0002717] abnormal ventral spinal root morphology [MP:0003993] neuronal intranuclear inclusions [MP:0004191] abnormal spinal cord ventral horn morphology [MP:0005112] abnormal axon morphology [MP:0005404] axon degeneration [MP:0005405] abnormal intestinal transit time [MP:0006001] abnormal large intestinal transit time [MP:0006003] slow postnatal weight gain [MP:0008489] alpha-synuclein inclusion body [MP:0008493]

Affected Gene: |*Gba1*|*Snca*||SNCA|

Catalog Number: 037633-JAX

Background: Targeted Mutation

Database: Mutant Mouse Resource and Research Center (MMRRC)

Database Abbreviation: MMRRC

Source References: [PMID:25351739](#)

Alternate IDs: MMRRC_37633-JAX, MMRRC_037633, MMRRC_37633

Organism Name: STOCK *Gba1^{tm1Rlp}* Tg(SNCA*A53T)1Nbm *Snca^{tm1Nbm}*
Tg(SNCA*A53T)2Nbm/Mmjax

Record Creation Time: 20230308T055152+0000

Record Last Update: 20260808T124131+0000

Ratings and Alerts

No rating or validation information has been found for STOCK *Gba1^{tm1Rlp}*
Tg(SNCA*A53T)1Nbm *Snca^{tm1Nbm}* Tg(SNCA*A53T)2Nbm/Mmjax.

No alerts have been found for STOCK *Gba1^{tm1Rlp}* Tg(SNCA*A53T)1Nbm *Snca^{tm1Nbm}*
Tg(SNCA*A53T)2Nbm/Mmjax.

Data and Source Information

Source: [Integrated Animals](#)

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

Usage and Citation Metrics

We have not found any literature mentions for this resource.