

Resource Summary Report

Generated by PRECISE-TBI on Jul 29, 2026

STOCK Tg(RP23-370F21-optob2AR-IRES-lacZ)B7Mik

RRID:IMSR_CHROMUS:B7

Type: Organism

Proper Citation

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Organism Information

URL: <http://chromus.vet.cornell.edu/acta2-optob2ar-ires-lacz/>

Proper Citation: RRID:IMSR_CHROMUS:B7

Description: Mus musculus with name STOCK Tg(RP23-370F21-optob2AR-IRES-lacZ)B7Mik from IMSR.

Species: Mus musculus

Notes: gene symbol note: beta-galactosidase|transgene insertion B7; Michael I Kotlikoff|actin alpha 2; smooth muscle; aorta|rhodopsin based optogenetic effector; mutant stock: lacZ|Tg(RP23-370F21-optob2AR-IRES-lacZ)B7Mik|Acta2|optob2AR

Affected Gene: beta-galactosidase|transgene insertion B7; Michael I Kotlikoff|actin alpha 2; smooth muscle; aorta|rhodopsin based optogenetic effector

Genomic Alteration: transgene insertion B7; Michael I Kotlikoff

Catalog Number: CHROMUS:B7

Database: Cornell Heart Lung Blood Resource for Optogenetic Mouse Signaling

Database Abbreviation: CHROMus

Availability: live

Organism Name: STOCK Tg(RP23-370F21-optob2AR-IRES-lacZ)B7Mik

Record Creation Time: 20250513T062410+0000

Record Last Update: 20260725T053146+0000

Ratings and Alerts

No rating or validation information has been found for STOCK Tg(RP23-370F21-optob2AR-IRES-lacZ)B7Mik.

No alerts have been found for STOCK Tg(RP23-370F21-optob2AR-IRES-lacZ)B7Mik.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Cornell Heart Lung Blood Resource for Optogenetic Mouse Signaling

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Lee FK, et al. (2021) Genetically engineered mice for combinatorial cardiovascular optobiology. eLife, 10.