

# Resource Summary Report

Generated by PRECISE-TBI on Jul 30, 2026

## STOCK Tg(RP23-370F21-optoa1AR-IRES-lacZ)B6Mik

RRID:IMSR\_CHROMUS:B6

Type: Organism

### Proper Citation

RRID:IMSR\_CHROMUS:B6

### Organism Information

**URL:** <http://chromus.vet.cornell.edu/acta2-optoa1ar-ires-lacz/>

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**Description:** Mus musculus with name STOCK Tg(RP23-370F21-optoa1AR-IRES-lacZ)B6Mik from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: rhodopsin based optogenetic effector|actin alpha 2; smooth muscle; aorta|transgene insertion B6; Michael I Kotlikoff|beta-galactosidase; mutant stock: optoa1AR|Acta2|Tg(RP23-370F21-optoa1AR-IRES-lacZ)B6Mik|lacZ

**Affected Gene:** rhodopsin based optogenetic effector|actin alpha 2; smooth muscle; aorta|transgene insertion B6; Michael I Kotlikoff|beta-galactosidase

**Genomic Alteration:** transgene insertion B6; Michael I Kotlikoff

**Catalog Number:** CHROMUS:B6

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

**Database Abbreviation:** CHROMus

**Availability:** live

**Organism Name:** STOCK Tg(RP23-370F21-optoa1AR-IRES-lacZ)B6Mik

**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-optoa1AR-IRES-lacZ)B6Mik.

No alerts have been found for STOCK Tg(RP23-370F21-optoa1AR-IRES-lacZ)B6Mik.

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## Data and Source Information

**Source:** [Integrated Animals](#)

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

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## 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.