

# Resource Summary Report

Generated by T1D on Sep 20, 2026

## B6.Cg-Itpr1<sup>tm1.1Kmik</sup>/274D Itpr2 Itpr3

RRID:IMSR\_RBRC10292

Type: Organism

### Proper Citation

RRID:IMSR\_RBRC10292

### Organism Information

**URL:** <https://brc.riken.jp/mus/RBRC10292>

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**Description:** Mus musculus with name B6.Cg-Itpr1<sup>tm1.1Kmik</sup>/274D Itpr2 Itpr3 from IMSR.

**Species:** Mus musculus

**Synonyms:** B6.129-Itpr1 Itpr2 Itpr3/KmikRbrc

**Notes:** gene symbol note: inositol 1;4;5-triphosphate receptor 2|inositol 1;4;5-triphosphate receptor 3|inositol 1;4;5-trisphosphate receptor 1; mutant stock: Itpr2|Itpr3|Itpr1

**Affected Gene:** inositol 1;4;5-triphosphate receptor 2|inositol 1;4;5-triphosphate receptor 3|inositol 1;4;5-trisphosphate receptor 1

**Genomic Alteration:** targeted mutation 2.1; Katsuhiko Mikoshiba|targeted mutation 1.1; Katsuhiko Mikoshiba

**Catalog Number:** RBRC10292

**Database:** RIKEN BioResource Research Center

**Database Abbreviation:** RBRC

**Availability:** embryo

**Organism Name:** B6.Cg-Itpr1<sup>tm1.1Kmik</sup>/274D Itpr2 Itpr3

**Record Creation Time:** 20250513T061520+0000

**Record Last Update:** 20260919T063242+0000

### Ratings and Alerts

No rating or validation information has been found for B6.Cg-Itpr1<sup>tm1.1Kmik</sup>/274D Itpr2 Itpr3.

No alerts have been found for B6.Cg-Itpr1<sup>tm1.1Kmik</sup>/274D Itpr2 Itpr3.

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## Data and Source Information

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

**Source Database:** RIKEN BioResource Research Center

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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 [T1D](#) .

Benoit L, et al. (2025) Astrocytes functionally integrate multiple synapses via specialized leaflet domains. Cell.