

Resource Summary Report

Generated by [SPARC SAWG](#) on Jul 30, 2026

B6.Cg-Itpr1^{tm1.1Kmik}/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^{tm1.1Kmik}/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 3|inositol 1;4;5-trisphosphate receptor 1|inositol 1;4;5-triphosphate receptor 2; mutant stock: Itpr3|Itpr1|Itpr2

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

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^{tm1.1Kmik}/274D Itpr2 Itpr3

Record Creation Time: 20250513T061520+0000

Record Last Update: 20260725T052206+0000

Ratings and Alerts

No rating or validation information has been found for B6.Cg-Itpr1^{tm1.1Kmik}/274D Itpr2 Itpr3.

No alerts have been found for B6.Cg-Itpr1^{tm1.1Kmik}/274D Itpr2 Itpr3.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: RIKEN BioResource Research Center

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

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