

# Resource Summary Report

Generated by [dkNET](#) on Aug 20, 2026

## STOCK Izumo1<sup>tm1Osb</sup> Tg(Clgn-Izumo1/mCherry)Osb Tg(CAG/Acr-EGFP)C3-N01-FJ002Osb/OsbRbrc

RRID:IMSR\_RBRC05763

Type: Organism

### Proper Citation

RRID:IMSR\_RBRC05763

### Organism Information

**URL:** <https://brc.riken.jp/mus/RBRC05763>

**Proper Citation:** RRID:IMSR\_RBRC05763

**Description:** Mus musculus with name STOCK Izumo1<sup>tm1Osb</sup> Tg(Clgn-Izumo1/mCherry)Osb Tg(CAG/Acr-EGFP)C3-N01-FJ002Osb/OsbRbrc from IMSR.

**Species:** Mus musculus

**Synonyms:** STOCK Izumo1 Tg(Clgn-Izumo1/mCherry)1Osb Tg(CAG-EGFP.Acr-EGFP)2Osb. STOCK Izumo1 Tg(Clgn-Izumo1/mCherry)Osb Tg(CAG/Acr-EGFP)C3-N01-FJ002Osb. STOCK Izumo1 Tg(Clgn-Izumo1/mCherry)1Osb Tg(CAG-EGFP.Acr-EGFP)2Osb/OsbRbrc

**Notes:** gene symbol note: acrosin prepropeptide|izumo sperm-egg fusion 1|transgene insertion 2; Research Institute for Microbial Diseases; Osaka University|calmegin||transgene insertion; Research Institute for Microbial Diseases; Osaka University|mCherry; mutant stock: Acr|Izumo1|Tg(CAG-EGFP;Acr-EGFP)2Osb|Clgn||Tg(Clgn-Izumo1/mCherry)#Osb|mCherry

**Affected Gene:** acrosin prepropeptide|izumo sperm-egg fusion 1|transgene insertion 2; Research Institute for Microbial Diseases; Osaka University|calmegin||transgene insertion; Research Institute for Microbial Diseases; Osaka University|mCherry

**Genomic Alteration:** acrosin prepropeptide|targeted mutation 1; Research Institute for Microbial Diseases; Osaka University|izumo sperm-egg fusion 1|transgene insertion 2; Research Institute for Microbial Diseases; Osaka University|calmegin||transgene insertion; Research Institute for Microbial Diseases; Osaka University|mCherry

**Catalog Number:** RBRC05763

**Database:** RIKEN BioResource Research Center

**Database Abbreviation:** RBRC

**Availability:** embryo

**Organism Name:** STOCK Izumo1<sup>tm1Osb</sup> Tg(Clgn-Izumo1/mCherry)Osb Tg(CAG/Acr-EGFP)C3-N01-FJ002Osb/OsbRbrc

**Record Creation Time:** 20250513T061505+0000

**Record Last Update:** 20260815T054827+0000

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## Ratings and Alerts

No rating or validation information has been found for STOCK Izumo1<sup>tm1Osb</sup> Tg(Clgn-Izumo1/mCherry)Osb Tg(CAG/Acr-EGFP)C3-N01-FJ002Osb/OsbRbrc.

No alerts have been found for STOCK Izumo1<sup>tm1Osb</sup> Tg(Clgn-Izumo1/mCherry)Osb Tg(CAG/Acr-EGFP)C3-N01-FJ002Osb/OsbRbrc.

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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 [dkNET](#) .

Inoue N, et al. (2025) Noncanonical phagocytosis-like SEAL establishes mammalian fertilization. Cell reports, 44(4), 115463.