

Resource Summary Report

Generated by [SPARC SAWG](#) on Aug 29, 2026

STOCK Izumo1^{tm1Osb} 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^{tm1Osb} 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^{tm1Osb} Tg(Clgn-Izumo1/mCherry)Osb Tg(CAG/Acr-EGFP)C3-N01-FJ002Osb/OsbRbrc

Record Creation Time: 20250513T061505+0000

Record Last Update: 20260829T053548+0000

Ratings and Alerts

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

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

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](#) .

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