

Resource Summary Report

Generated by [ASWG](#) on Aug 9, 2026

SD-Aif1^{tm(EGFP)Apps}/Mmmc

RRID:RGD_152999023

Type: Organism

Proper Citation

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Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=152999023>

Proper Citation: RRID:RGD_152999023

Description: Rattus norvegicus with name SD-Aif1^{tm(EGFP)Apps}/Mmmc from RGD.

Species: Rattus norvegicus

Notes: Applied StemCell, Inc (Milpitas, CA) was contracted to generate the Iba1-EGFP knock-in rat model using CRISPR/Cas9 technology in the Sprague Dawley rat strain. The donor construct inserted consisted of the EGFP coding sequence (minus the first ATG), followed by the 22 amino acid sequence of the porcine teschovirus-1 2A (P2A) self-cleaving peptide, and then the first exon of the rat Iba1 gene immediately downstream of the translational start site. Guide RNA with the following sequence: 5'-TACCCTGCAAATCCTTGCTCTGG-3' targeting the Iba1 gene just downstream of the translational start site were used.

Catalog Number: 152999023

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 152999023

Organism Name: SD-Aif1^{tm(EGFP)Apps}/Mmmc

Record Creation Time: 20230509T191926+0000

Record Last Update: 20260808T193707+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Aif1*^{tm(EGFP)Apps}/Mmmc.

No alerts have been found for SD-*Aif1*^{tm(EGFP)Apps}/Mmmc.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Rat Genome Database (RGD)

Usage and Citation Metrics

We have not found any literature mentions for this resource.