

Resource Summary Report

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SD-C5ar1^{em1(C5AR1)}Idor

RRID:RGD_598154594

Type: Organism

Proper Citation

RRID:RGD_598154594

Organism Information

URL: <https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=598154594>

Proper Citation: RRID:RGD_598154594

Description: Rattus norvegicus with name SD-C5ar1^{em1(C5AR1)}Idor from RGD.

Species: Rattus norvegicus

Notes: Zinc fingers were designed and human C5aR1 cDNA was cloned into a pZFN plasmid and sequence verified. Subsequently, co-microinjection of a pair of ZFNs and the donor plasmid into the pronucleus of fertilized, one cell embryos was performed, generating HR-mediated KI animals. The entire process was performed at SAGE Labs, Horizon, (St Louis, USA). Sprague Dawley (Charles River) rat (Rattus norvegicus) C5aR1 (NCBI Gene ID: 113959, updated on 18-Oct-2012 Location : 1q12 Sequence : Chromosome: 1; NC_005100.3 (79452051..79458856, complement) mRNA join (1..>34,5088..6806) /gene="C5ar1" CDS join(32..34,5088..6143) /gene="C5ar1") was replaced using zinc finger technology utilizing with the human C5aR1 cDNA by inserting the human cDNA into the 5' end of the rat C5ar1 exon 2 locus using the ZFN Binding. Cut Site: CTTGGCCGTGTTCTGGTtaggagtTACCGGAAATGCCCTGGTG [National BioResource Project for the Rat in Japan](#)

Catalog Number: 598154594

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Cryopreserved Sperm (as of 2025-04-30)

Alternate IDs: 598154594

Organism Name: SD-C5ar1^{em1(C5AR1)}Idor

Record Creation Time: 20250514T090217+0000

Record Last Update: 20260808T193753+0000

Ratings and Alerts

No rating or validation information has been found for SD-C5ar1^{em1(C5AR1)}Idor.

No alerts have been found for SD-C5ar1^{em1(C5AR1)}Idor.

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.