Resource Summary Report

Generated by T1D on Sep 21, 2026

SD-*Cacna1f* ^{csnb}

RRID:RGD_13782371
Type: Organism

Proper Citation

RRID:RGD_13782371

Organism Information

URL: https://rgd.mcw.edu/rgdweb/report/strain/main.html?id=13782371

Proper Citation: RRID:RGD_13782371

Description: Rattus norvegicus with name SD-*Cacna1f* ^{csnb} from RGD.

Species: Rattus norvegicus

Notes: A naturally-occurring mutation in Cacna1f was identified in a male Sprague Dawley rat with the phenotype of congenital stationary night blindness.Sequence analysis revealed a point mutation of C to T at position 2941, which changes codon 981 from arginine (CGA) to a stop codon (TGA). This R981Stop point mutation was predicted to lead to a version of protein shortened by a total of 999 amino acids, and missing the C-terminal and, in particular, part of the third and all of the fourth ion transport domains.

Catalog Number: 13782371

Background: mutant

Database: Rat Genome Database (RGD)

Database Abbreviation: RGD

Availability: Unknown

Alternate IDs: 13782371

Organism Name: SD-*Cacna1f* ^{csnb}

Record Creation Time: 20230509T191949+0000

Record Last Update: 20260919T201849+0000

Ratings and Alerts

No rating or validation information has been found for SD-*Cacna1f* ^{csnb}.

No alerts have been found for SD-*Cacna1f* ^{csnb}.

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.