

Resource Summary Report

Generated by SPARC SAWG on Sep 3, 2026

CLCA1

RRID:NSRRC_0079

Type: Organism

Proper Citation

RRID:NSRRC_0079

Organism Information

URL: <https://nsrrc.missouri.edu/nsrrc-0079-clca1-ko/>

Proper Citation: RRID:NSRRC_0079

Description: KO of the CLCA1 gene via zygote injections of the CRISPR Cas-9 system, to reduce mucus production in the lungs.

Species: Sus scrofa

Notes: KO of the CLCA1 gene via zygote injections of the CRISPR Cas-9 system, to reduce mucus production in the lungs.

Affected Gene: CLCA1

Catalog Number: 79

Background: domestic

Database: NSRRC, National Swine Resource and Research Center (NSRRC)

Database Abbreviation: NSRRC

Organism Name: CLCA1

Record Creation Time: 20230226T235432+0000

Record Last Update: 20260829T225922+0000

Ratings and Alerts

No rating or validation information has been found for CLCA1.

No alerts have been found for CLCA1.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: NSRRC, National Swine Resource and Research Center (NSRRC)

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](#) .

Keeler SP, et al. (2022) Chloride channel accessory 1 gene deficiency causes selective loss of mucus production in a new pig model. American journal of physiology. Lung cellular and molecular physiology, 322(6), L842.