

Resource Summary Report

Generated by [dkNET](#) on Aug 3, 2026

MDCK-5KO-EKARrEV-NLS-loxP-NRG1

RRID:CVCL_D5IS

Type: Cell Line

Proper Citation

RRID:CVCL_D5IS

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_D5IS

Proper Citation: RRID:CVCL_D5IS

Description: Cell line MDCK-5KO-EKARrEV-NLS-loxP-NRG1 is a Transformed cell line with a species of origin *Canis lupus familiaris* (Dog)

Sex: Female

Defining Citation: [PMID:34667080](#)

Comments: Characteristics: Transduced with the FRET biosensor EKARrEV-NLS FRET biosensor EKARrEV-NLS, which consists of a donor fluorescent protein CFP, an ERK substrate peptide derived from RSK1, an optimized linker, a FHA1 phosphate binding domain, an acceptor fluorescent protein YFP and a nuclear localization signal (PubMed=34667080).

Category: Transformed cell line

Organism: *Canis lupus familiaris* (Dog)

Name: MDCK-5KO-EKARrEV-NLS-loxP-NRG1

Cross References: Wikidata:Q127382763

ID: CVCL_D5IS

Hierarchy: cvcl_d5im

Record Creation Time: 20240503T071655+0000

Record Last Update: 20260802T004621+0000

Ratings and Alerts

No rating or validation information has been found for MDCK-5KO-EKARrEV-NLS-loxP-NRG1.

No alerts have been found for MDCK-5KO-EKARrEV-NLS-loxP-NRG1.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.