

Resource Summary Report

Generated by [RRID](#) on Aug 24, 2026

pcDNA3.1 Flag YFP hNKCC1 HA-ECL2 (NT931)

RRID:Addgene_49063

Type: Plasmid

Proper Citation

RRID:Addgene_49063

Plasmid Information

URL: <http://www.addgene.org/49063>

Proper Citation: RRID:Addgene_49063

Insert Name: human NKCC1 (synthetic)

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:24339991](#)

Vector Backbone Description: Backbone Marker:Life Technologies; Backbone Size:5316; Vector Backbone:pcDNA3.1 neo; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Plasmid constructed from pcDNA3.1 Flag YFP hNKCC1 WT (NT17). See Addgene plasmid# 49085 (<http://www.addgene.org/49085/>) for plasmid map of wild-type construct.

Plasmid Name: pcDNA3.1 Flag YFP hNKCC1 HA-ECL2 (NT931)

Relevant Mutation: 2xHA epitope in ECL2 inserted at aa398 in hNKCC1 in NT17

Record Creation Time: 20220422T222252+0000

Record Last Update: 20260815T081556+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1 Flag YFP hNKCC1 HA-ECL2 (NT931).

No alerts have been found for pcDNA3.1 Flag YFP hNKCC1 HA-ECL2 (NT931).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

C??me E, et al. (2023) Lateral Diffusion of NKCC1 Contributes to Chloride Homeostasis in Neurons and Is Rapidly Regulated by the WNK Signaling Pathway. Cells, 12(3).

Pol E, et al. (2023) NKCC1 and KCC2 Chloride Transporters Have Different Membrane Dynamics on the Surface of Hippocampal Neurons. Cells, 12(19).