

Resource Summary Report

Generated by [dkNET](#) on Aug 27, 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](https://pubmed.ncbi.nlm.nih.gov/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 [dkNET](#) .

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).