

Resource Summary Report

Generated by [RRID](#) on Aug 17, 2026

[ankG-mCherry](#)

RRID:Addgene_42566

Type: Plasmid

Proper Citation

RRID:Addgene_42566

Plasmid Information

URL: <http://www.addgene.org/42566>

Proper Citation: RRID:Addgene_42566

Insert Name: ankyrin G

Organism: Rattus norvegicus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:21551097](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4000; Vector Backbone:pEGFP-N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: ankG-mCherry

Record Creation Time: 20220422T222219+0000

Record Last Update: 20260815T081455+0000

Ratings and Alerts

No rating or validation information has been found for ankG-mCherry.

No alerts have been found for ankG-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Luque-Fernández V, et al. (2024) An ankyrin G-binding motif mediates TRAAK periodic localization at axon initial segments of hippocampal pyramidal neurons. *Proceedings of the National Academy of Sciences of the United States of America*, 121(31), e2310120121.

Piguel NH, et al. (2023) Palmitoylation controls the stability of 190 kDa ankyrin-G in dendritic spines and is regulated by ZDHHC8 and lithium. *Frontiers in molecular neuroscience*, 16, 1144066.

Harbauer AB, et al. (2022) Neuronal mitochondria transport Pink1 mRNA via synaptojanin 2 to support local mitophagy. *Neuron*, 110(9), 1516.

Ghosh A, et al. (2020) Neurofascin and Kv7.3 are delivered to somatic and axon terminal surface membranes en route to the axon initial segment. *eLife*, 9.

Kirmiz M, et al. (2018) Remodeling neuronal ER-PM junctions is a conserved nonconducting function of Kv2 plasma membrane ion channels. *Molecular biology of the cell*, 29(20), 2410.