

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

HcKCR1_mCherry_pcDNA3.1

RRID:Addgene_177336

Type: Plasmid

Proper Citation

RRID:Addgene_177336

Plasmid Information

URL: <http://www.addgene.org/177336>

Proper Citation: RRID:Addgene_177336

Insert Name: HcKCR1

Organism: Hyphochytrium catenoides

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:35726059](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5428; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: HcKCR1_mCherry_pcDNA3.1

Relevant Mutation: mammalian codon-adapted

Record Creation Time: 20220422T222023+0000

Record Last Update: 20260725T074330+0000

Ratings and Alerts

No rating or validation information has been found for HcKCR1_mCherry_pcDNA3.1.

No alerts have been found for HcKCR1_mCherry_pcDNA3.1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Plitt MH, et al. (2025) Octopamine instructs head direction plasticity. bioRxiv : the preprint server for biology.

Sineshchekov OA, et al. (2024) Channel Gating in Kalium Channelrhodopsin Slow Mutants. Journal of molecular biology, 436(5), 168298.

Govorunova EG, et al. (2022) Kalium channelrhodopsins are natural light-gated potassium channels that mediate optogenetic inhibition. Nature neuroscience, 25(7), 967.