Resource Summary Report

Generated by RRID on Aug 19, 2026

optGluCl alpha EYFP

RRID:Addgene_15104
Type: Plasmid

Proper Citation

RRID:Addgene_15104

Plasmid Information

URL: http://www.addgene.org/15104

Proper Citation: RRID:Addgene_15104

Insert Name: GluCl alpha

Organism: Caenorhabditis elegans

Bacterial Resistance: Ampicillin

Defining Citation: PMID:12648766

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5500; Vector Backbone:pcDNA3.1; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The lab has created an improved version of this plasmid, which can be found at http://www.addgene.org/47387/ .

Plasmid Name: optGluCl alpha EYFP

Relevant Mutation: Codon optimized cDNA

Record Creation Time: 20220422T221831+0000

Record Last Update: 20260815T080719+0000

Ratings and Alerts

No rating or validation information has been found for optGluCl alpha EYFP.

No alerts have been found for optGluCl alpha EYFP.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Degani-Katzav N, et al. (2017) Mutational Analysis at Intersubunit Interfaces of an Anionic Glutamate Receptor Reveals a Key Interaction Important for Channel Gating by Ivermectin. Frontiers in molecular neuroscience, 10, 92.

Degani-Katzav N, et al. (2016) Subunit stoichiometry and arrangement in a heteromeric glutamate-gated chloride channel. Proceedings of the National Academy of Sciences of the United States of America, 113(5), E644.

Heusser SA, et al. (2016) Functional characterization of neurotransmitter activation and modulation in a nematode model ligand-gated ion channel. Journal of neurochemistry, 138(2), 243.

Tanaka Y, et al. (2016) KRE5 Suppression Induces Cell Wall Stress and Alternative ER Stress Response Required for Maintaining Cell Wall Integrity in Candida glabrata. PloS one, 11(8), e0161371.