Resource Summary Report

Generated by nidm-terms on Aug 9, 2026

pcDNA3.1 V5 His-TOPO-GluCl optbeta-m-YFP Y182F RSR_AAA (Opt ?-Gluclv2.0)

RRID:Addgene_47542
Type: Plasmid

Proper Citation

RRID:Addgene_47542

Plasmid Information

URL: http://www.addgene.org/47542

Proper Citation: RRID:Addgene_47542

Insert Name: Glutamate-gated chloride channels

Organism: Caenorhabditis elegans

Bacterial Resistance: Ampicillin

Defining Citation: PMID:23720773

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2037; Vector Backbone:pcDNA3.1/V5-His TOPO; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pcDNA3.1 V5 His-TOPO-GluCl optbeta-m-YFP Y182F RSR_AAA (Opt ?-Gluclv2.0)

Relevant Mutation: retention motif in ER (starting at R340) changed from RSR to AAA in the intracellular loop of Beta subunit; Y182F; monomerizing A206K in YFP

Record Creation Time: 20220422T222244+0000

Record Last Update: 20260808T081732+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA3.1 V5 His-TOPO-GluCl optbeta-m-YFP Y182F RSR_AAA (Opt ?-Gluclv2.0).

No alerts have been found for pcDNA3.1 V5 His-TOPO-GluCl optbeta-m-YFP Y182F RSR_AAA (Opt ?-Gluclv2.0).

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Weir GA, et al. (2017) Using an engineered glutamate-gated chloride channel to silence sensory neurons and treat neuropathic pain at the source. Brain : a journal of neurology, 140(10), 2570.