Resource Summary Report

Generated by dkNET on Aug 10, 2026

pcDNA 3.1(-) VSFP3.1

RRID:Addgene_18951
Type: Plasmid

Proper Citation

RRID:Addgene_18951

Plasmid Information

URL: http://www.addgene.org/18951

Proper Citation: RRID:Addgene_18951

Insert Name: VSFP3.1

Organism: Ciona intestinalis

Bacterial Resistance: Ampicillin

Defining Citation: PMID:18575613

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5358; Vector Backbone:pcDNA3.1(-); Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: As reported in the accompanying publication (Lundby et al., PLoS ONE, 2008 Jun 25;3(6)), the R217Q mutation has been intently introduced in the S4 domain of Ci-VSP to shift the activation curve of the sensor into the physiological range of neuronal membrane potential.

Plasmid Name: pcDNA 3.1(-) VSFP3.1

Record Creation Time: 20220422T222043+0000

Record Last Update: 20260808T081347+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA 3.1(-) VSFP3.1.

No alerts have been found for pcDNA 3.1(-) VSFP3.1.

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 dkNET .

Lazar J, et al. (2011) Two-photon polarization microscopy reveals protein structure and function. Nature methods, 8(8), 684.