Resource Summary Report

Generated by RRID on Aug 22, 2026

PCx35-pcDNA-S110A

RRID:Addgene_42917
Type: Plasmid

Proper Citation

RRID:Addgene_42917

Plasmid Information

URL: http://www.addgene.org/42917

Proper Citation: RRID:Addgene_42917

Insert Name: Connexin 35

Organism: Perch (Morone americana)

Bacterial Resistance: Ampicillin

Defining Citation: PMID:15857663

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:4990; Vector Backbone:pcDNA3.1 Zeo; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Contains a non-phosphorylatable point mutation in Ser110 in cytoplasmic loop. Phosphorylation of this site regulates coupling. Derived from clone from: O'Brien, J., Nguyen, H.B., and Mills, S.L. (2004). Cone photoreceptors in bass retina use two connexins to mediate electrical coupling. J Neurosci 24, 5632-5642. Original cDNA clone from: O'Brien, J., Bruzzone, R., White, T.W., Al-Ubaidi, M.R., and Ripps, H. (1998). Cloning and expression of two related connexins from the perch retina define a distinct subgroup of the connexin family. J Neurosci 18, 7625-7637.

Plasmid Name: PCx35-pcDNA-S110A

Relevant Mutation: Ser110 to Ala

Record Creation Time: 20220422T222221+0000

Record Last Update: 20260815T081458+0000

Ratings and Alerts

No rating or validation information has been found for PCx35-pcDNA-S110A.

No alerts have been found for PCx35-pcDNA-S110A.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We have not found any literature mentions for this resource.