

Resource Summary Report

Generated by [RRID](#) on Aug 18, 2026

pENTR-D-TOPO-kcnn1a

RRID:Addgene_164956

Type: Plasmid

Proper Citation

RRID:Addgene_164956

Plasmid Information

URL: <http://www.addgene.org/164956>

Proper Citation: RRID:Addgene_164956

Insert Name: kcnn1a

Organism: Danio rerio

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:33728688](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:2580; Vector Backbone:pENTR-D-TOPO; Vector Types:PCR cloning vector; Bacterial Resistance:Kanamycin

Comments: The DNA sequence was amplified from pooled wild-type TAB zebrafish embryos. According to the predicted sequence, XP_005171293.1, there are likely polymorphisms, K185E, H323Y, S599N, which are not listed in the current ENSEMBL database. This is possibly due to incomplete zebrafish genome annotation, GRCz11. In addition, at the 5' end of the insert, there are 44bps extra forward primer dimer sequences (ATGCGGCATCGGCACGCGGGCCATGCGGCATCGGCACGCGGGCC) before the start codon. But this will not impact the result of the whole mount in situ hybridization.

Plasmid Name: pENTR-D-TOPO-kcnn1a

Record Creation Time: 20220422T221932+0000

Record Last Update: 20260815T080925+0000

Ratings and Alerts

No rating or validation information has been found for pENTR-D-TOPO-kcnn1a.

No alerts have been found for pENTR-D-TOPO-kcnn1a.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.