

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

Axin2-luciferase

RRID:Addgene_21275

Type: Plasmid

Proper Citation

RRID:Addgene_21275

Plasmid Information

URL: <http://www.addgene.org/21275>

Proper Citation: RRID:Addgene_21275

Insert Name: Axin2 promoter

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11809808](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:4800; Vector Backbone:pGL3-Basic; Vector Types:Mammalian Expression, Luciferase; Bacterial Resistance:Ampicillin

Comments: A 5.6-kb DNA fragment containing the Axin2 promoter, exon 1, intron 1, and part of exon 2 was subcloned from a mouse BAC clone and sequenced. In Author's map, exons are shown as gray boxes, and the sequence is numbered with bp 1 corresponding to the start of the cDNA sequence. Eight conserved Tcf/LEF binding sites (underlined and designated T1 to T8) were identified.

Plasmid Name: Axin2-luciferase

Record Creation Time: 20220422T222055+0000

Record Last Update: 20260815T081201+0000

Ratings and Alerts

No rating or validation information has been found for Axin2-luciferase.

No alerts have been found for Axin2-luciferase.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Berwick DC, et al. (2017) Pathogenic LRRK2 variants are gain-of-function mutations that enhance LRRK2-mediated repression of β -catenin signaling. Molecular neurodegeneration, 12(1), 9.

Yang Y, et al. (2017) Clathrin Assembly Defines the Onset and Geometry of Cortical Patterning. Developmental cell, 43(4), 507.

Hulin JA, et al. (2016) Barx2 and Pax7 Regulate Axin2 Expression in Myoblasts by Interaction with β -Catenin and Chromatin Remodelling. Stem cells (Dayton, Ohio), 34(8), 2169.

Toru? A, et al. (2015) Endocytic Adaptor Protein Tollip Inhibits Canonical Wnt Signaling. PloS one, 10(6), e0130818.

Zhuang L, et al. (2014) Barx2 and Pax7 have antagonistic functions in regulation of wnt signaling and satellite cell differentiation. Stem cells (Dayton, Ohio), 32(6), 1661.

McGee-Lawrence ME, et al. (2013) Runx2 protein represses Axin2 expression in osteoblasts and is required for craniosynostosis in Axin2-deficient mice. The Journal of biological chemistry, 288(8), 5291.

Abe M, et al. (2010) Hand2 regulates chondrogenesis in vitro and in vivo. Bone, 46(5), 1359.