

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

CS2 Flag-Smad3

RRID:Addgene_14052

Type: Plasmid

Proper Citation

RRID:Addgene_14052

Plasmid Information

URL: <http://www.addgene.org/14052>

Proper Citation: RRID:Addgene_14052

Insert Name: Smad3

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10197981](#)

Vector Backbone Description: Backbone Size:4100; Vector Backbone:pCS2; Vector Types:xenopus/mammalian/avian/zebrafish; Bacterial Resistance:Ampicillin

Plasmid Name: CS2 Flag-Smad3

Record Creation Time: 20220422T221811+0000

Record Last Update: 20260826T040803+0000

Ratings and Alerts

No rating or validation information has been found for CS2 Flag-Smad3.

No alerts have been found for CS2 Flag-Smad3.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 9 mentions in open access literature.

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

El-Gazzar A, et al. (2022) SMAD3 mutation in LDS3 causes bone fragility by impairing the TGF- β pathway and enhancing osteoclastogenesis. Bone reports, 17, 101603.

Zhou J, et al. (2022) pVHL-mediated SMAD3 degradation suppresses TGF- β signaling. The Journal of cell biology, 221(1).

Cheng X, et al. (2020) NHC-gold compounds mediate immune suppression through induction of AHR-TGF β 1 signalling in vitro and in scurfy mice. Communications biology, 3, 10.

Ma X, et al. (2019) SMAD family member 3 (SMAD3) and SMAD4 repress HIF2 α -dependent iron-regulatory genes. The Journal of biological chemistry, 294(11), 3974.

Nyati S, et al. (2015) The kinase activity of the Ser/Thr kinase BUB1 promotes TGF- β signaling. Science signaling, 8(358), ra1.

Li Y, et al. (2015) Iron-induced Local Complement Component 3 (C3) Up-regulation via Non-canonical Transforming Growth Factor (TGF)- β Signaling in the Retinal Pigment Epithelium. The Journal of biological chemistry, 290(19), 11918.

Inui M, et al. (2011) USP15 is a deubiquitylating enzyme for receptor-activated SMADs. Nature cell biology, 13(11), 1368.

Lange AW, et al. (2009) Sox17 promotes cell cycle progression and inhibits TGF- β /Smad3 signaling to initiate progenitor cell behavior in the respiratory epithelium. PloS one, 4(5), e5711.

Tompkins DH, et al. (2009) Sox2 is required for maintenance and differentiation of bronchiolar Clara, ciliated, and goblet cells. PloS one, 4(12), e8248.