

Resource Summary Report

Generated by [kravitz2](#) on Aug 6, 2026

pCMV5B-Flag-Smurf2 wt

RRID:Addgene_11746

Type: Plasmid

Proper Citation

RRID:Addgene_11746

Plasmid Information

URL: <http://www.addgene.org/11746>

Proper Citation: RRID:Addgene_11746

Insert Name: SMURF2

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11163210](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pCMV5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCMV5B-Flag-Smurf2 wt

Record Creation Time: 20220422T221615+0000

Record Last Update: 20260801T080049+0000

Ratings and Alerts

No rating or validation information has been found for pCMV5B-Flag-Smurf2 wt.

No alerts have been found for pCMV5B-Flag-Smurf2 wt.

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 [kravitz2](#) .

Jeon S, et al. (2023) The miR-15b-Smurf2-HSP27 axis promotes pulmonary fibrosis. *Journal of biomedical science*, 30(1), 2.

Shepley-McTaggart A, et al. (2021) Ubiquitin Ligase SMURF2 Interacts with Filovirus VP40 and Promotes Egress of VP40 VLPs. *Viruses*, 13(2).

Chae DK, et al. (2019) MiR-195 and miR-497 suppress tumorigenesis in lung cancer by inhibiting SMURF2-induced TGF- β receptor I ubiquitination. *Molecular oncology*, 13(12), 2663.

Kim S, et al. (2018) Protein kinase CK2 activation is required for transforming growth factor β -induced epithelial-mesenchymal transition. *Molecular oncology*, 12(10), 1811.

Iezaki T, et al. (2018) The MAPK Erk5 is necessary for proper skeletogenesis involving a Smurf-Smad-Sox9 molecular axis. *Development (Cambridge, England)*, 145(14).

Malonis RJ, et al. (2017) RNF11 sequestration of the E3 ligase SMURF2 on membranes antagonizes SMAD7 down-regulation of transforming growth factor β signaling. *The Journal of biological chemistry*, 292(18), 7435.

Chesarino NM, et al. (2015) E3 Ubiquitin Ligase NEDD4 Promotes Influenza Virus Infection by Decreasing Levels of the Antiviral Protein IFITM3. *PLoS pathogens*, 11(8), e1005095.

Courivaud T, et al. (2015) Functional Characterization of a WWP1/Tiul1 Tumor-derived Mutant Reveals a Paradigm of Its Constitutive Activation in Human Cancer. *The Journal of biological chemistry*, 290(34), 21007.

Popova A, et al. (2012) Smurf2 regulates IL17RB by proteasomal degradation of its novel binding partner DAZAP2. *Immunobiology*, 217(3), 321.