

Resource Summary Report

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

pCI-ASC-HA

RRID:Addgene_41553

Type: Plasmid

Proper Citation

RRID:Addgene_41553

Plasmid Information

URL: <http://www.addgene.org/41553>

Proper Citation: RRID:Addgene_41553

Insert Name: ASC

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19158675](#)

Vector Backbone Description: Backbone Marker:Promega; Backbone Size:4006; Vector Backbone:pCI; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCI-ASC-HA

Record Creation Time: 20220422T222215+0000

Record Last Update: 20260815T081446+0000

Ratings and Alerts

No rating or validation information has been found for pCI-ASC-HA.

No alerts have been found for pCI-ASC-HA.

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](#) .

Gravastrand CS, et al. (2026) GTPase Rab11b and effector Rab11-FIP2 promote NLRP3 stability during inflammasome priming. *The EMBO journal*, 45(9), 2991.

Asare Y, et al. (2025) A cis-regulatory element controls expression of histone deacetylase 9 to fine-tune inflammasome-dependent chronic inflammation in atherosclerosis. *Immunity*, 58(3), 555.

Zhang L, et al. (2021) Peli1 facilitates NLRP3 inflammasome activation by mediating ASC ubiquitination. *Cell reports*, 37(4), 109904.

Hooftman A, et al. (2020) The Immunomodulatory Metabolite Itaconate Modifies NLRP3 and Inhibits Inflammasome Activation. *Cell metabolism*, 32(3), 468.

Mehto S, et al. (2019) The Crohn's Disease Risk Factor IRGM Limits NLRP3 Inflammasome Activation by Impeding Its Assembly and by Mediating Its Selective Autophagy. *Molecular cell*, 73(3), 429.

Hughes MM, et al. (2019) Glutathione Transferase Omega-1 Regulates NLRP3 Inflammasome Activation through NEK7 Deglutathionylation. *Cell reports*, 29(1), 151.

Carty M, et al. (2019) Cell Survival and Cytokine Release after Inflammasome Activation Is Regulated by the Toll-IL-1R Protein SARM. *Immunity*, 50(6), 1412.

Guo W, et al. (2017) Tyrosine phosphatase SHP2 negatively regulates NLRP3 inflammasome activation via ANT1-dependent mitochondrial homeostasis. *Nature communications*, 8(1), 2168.

Chavarr??a-Smith J, et al. (2016) Functional and Evolutionary Analyses Identify Proteolysis as a General Mechanism for NLRP1 Inflammasome Activation. *PLoS pathogens*, 12(12), e1006052.