

Resource Summary Report

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

pCMV-pro-Il1b-C-Flag

RRID:Addgene_75131

Type: Plasmid

Proper Citation

RRID:Addgene_75131

Plasmid Information

URL: <http://www.addgene.org/75131>

Proper Citation: RRID:Addgene_75131

Insert Name: interleukin 1 beta

Organism: Mus musculus

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26642356](#)

Vector Backbone Description: Backbone Size:6300; Vector Backbone:p3XFLAG-CMV-14; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that mutation E130K in Il1b was found during Addgene's quality control. The depositor noted that this mutation is expected and does NOT affect its cleavage by caspase 1.

Plasmid Name: pCMV-pro-Il1b-C-Flag

Relevant Mutation: (please see depositor comments below)

Record Creation Time: 20220422T222457+0000

Record Last Update: 20260826T042556+0000

Ratings and Alerts

No rating or validation information has been found for pCMV-pro-Il1b-C-Flag.

No alerts have been found for pCMV-pro-Il1b-C-Flag.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

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

Liu W, et al. (2026) Aerobic glycolysis promotes NLRP3 inflammasome activation via NLRP3 lactylation. *Cell chemical biology*, 33(2), 213.

Deng Y, et al. (2024) A cytomegalovirus inflammasome inhibitor reduces proinflammatory cytokine release and pyroptosis. *Nature communications*, 15(1), 786.

Guarnieri JW, et al. (2023) SARS-COV-2 viroporins activate the NLRP3-inflammasome by the mitochondrial permeability transition pore. *Frontiers in immunology*, 14, 1064293.

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

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

Shi H, et al. (2016) Reconstruction of the Mouse Inflammasome System in HEK293T Cells. *Bio-protocol*, 6(21).