

Resource Summary Report

Generated by [dkNET](#) on Sep 18, 2026

pCMV human IRS-1 CAAX

RRID:Addgene_11238

Type: Plasmid

Proper Citation

RRID:Addgene_11238

Plasmid Information

URL: <http://www.addgene.org/11238>

Proper Citation: RRID:Addgene_11238

Insert Name: IRS-1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:10958681](#)

Vector Backbone Description: Backbone Size:7583; Vector Backbone:pCMV histidinol; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: pCMV human IRS-1 was cut with ApaI and SalI. A 5' IRS-1 oligo at bp4746 (amino acid 1242) and 3'IRS-1 oligo with 3' IRS-1 sequence fused to the p21ras CAAX prenylation motif (CMSCKCVLS) were used for PCR and the insert was ligated into pCMV human IRS-1. Select cells expressing plasmid with approximately 5mM histidinol (Sigma), depending on the cell type.

Plasmid Name: pCMV human IRS-1 CAAX

Relevant Mutation: C-terminal prenylation motif makes IRS-1 localize to the cell membrane.

Record Creation Time: 20220422T221548+0000

Record Last Update: 20260912T091521+0000

Ratings and Alerts

No rating or validation information has been found for pCMV human IRS-1 CAAX.

No alerts have been found for pCMV human IRS-1 CAAX.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Chawla B, et al. (2017) Absence of IQGAP1 Protein Leads to Insulin Resistance. The Journal of biological chemistry, 292(8), 3273.

Marconett CN, et al. (2012) Indole-3-carbinol disrupts estrogen receptor-alpha dependent expression of insulin-like growth factor-1 receptor and insulin receptor substrate-1 and proliferation of human breast cancer cells. Molecular and cellular endocrinology, 363(1-2), 74.