

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pECFP-IETD2x-Venus

RRID:Addgene_24536

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/24536>

Proper Citation: RRID:Addgene_24536

Insert Name: ECFP-IETD2x-Venus

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:19053173](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4731; Vector Backbone:pECFP-C1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Initiator caspase reporter protein (IC-RP) carries tandem copies of IETD in its linker, a sequence that is efficiently cleaved by caspase-8, but poorly by caspases-3 and -7. IETD constitutes the site in procaspase-3 for initiator caspase cleavage, and IC-RP cleavage is therefore a good readout of procaspase-3 activation. IC-RP was constructed by ligating Venus(YFP) between BamHI and EcoRI sites of pECFP-C1 and ligating linkers encoding cleavage sequences as BspEI-BamHI fragments between ECFP and Venus. Multiple serine and glycine residues flanking the cleavage sequences were added to increase linker flexibility and substrate accessibility. See <https://www.ncbi.nlm.nih.gov/pubmed/18406323> for more information

Plasmid Name: pECFP-IETD2x-Venus

Record Creation Time: 20220422T222109+0000

Record Last Update: 20260815T081231+0000

Ratings and Alerts

No rating or validation information has been found for pECFP-IETD2x-Venus.

No alerts have been found for pECFP-IETD2x-Venus.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.