

Resource Summary Report

Generated by [RRID](#) on Aug 22, 2026

pET23b-Casp3-His

RRID:Addgene_11821

Type: Plasmid

Proper Citation

RRID:Addgene_11821

Plasmid Information

URL: <http://www.addgene.org/11821>

Proper Citation: RRID:Addgene_11821

Insert Name: Caspase 3

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:9065443](#)

Vector Backbone Description: Backbone Size:3666; Vector Backbone:pET-23 b; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pET23b-Casp3-His

Record Creation Time: 20220422T221618+0000

Record Last Update: 20260815T080301+0000

Ratings and Alerts

No rating or validation information has been found for pET23b-Casp3-His.

No alerts have been found for pET23b-Casp3-His.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Tan ZY, et al. (2025) Development of an FKBP12-recruiting chemical-induced proximity DNA-encoded library and its application to discover an autophagy potentiator. *Cell chemical biology*, 32(3), 498.

Hanna R, et al. (2023) In-Depth Characterization of Apoptosis N-Terminome Reveals a Link Between Caspase-3 Cleavage and Posttranslational N-Terminal Acetylation. *Molecular & cellular proteomics : MCP*, 22(7), 100584.

Soni IV, et al. (2021) Caspase-9 Activation of Procaspace-3 but Not Procaspace-6 Is Based on the Local Context of Cleavage Site Motifs and on Sequence. *Biochemistry*, 60(37), 2824.

Araya LE, et al. (2021) Deorphanizing Caspase-3 and Caspase-9 Substrates In and Out of Apoptosis with Deep Substrate Profiling. *ACS chemical biology*, 16(11), 2280.

Ruan Z, et al. (2020) Structures of human pannexin 1 reveal ion pathways and mechanism of gating. *Nature*, 584(7822), 646.

Panneer Selvam S, et al. (2018) Balance between senescence and apoptosis is regulated by telomere damage-induced association between p16 and caspase-3. *The Journal of biological chemistry*, 293(25), 9784.

Halawani D, et al. (2018) Structural control of caspase-generated glutamyl-tRNA synthetase by appended noncatalytic WHEP domains. *The Journal of biological chemistry*, 293(23), 8843.

Huber KL, et al. (2018) Caspase-9 CARD : core domain interactions require a properly formed active site. *The Biochemical journal*, 475(6), 1177.

Smith CE, et al. (2017) Non-steroidal Anti-inflammatory Drugs Are Caspase Inhibitors. *Cell chemical biology*, 24(3), 281.

Qian L, et al. (2016) Grb7 and Hax1 may colocalize partially to mitochondria in EGF-treated SKBR3 cells and their interaction can affect Caspase3 cleavage of Hax1. *Journal of molecular recognition : JMR*, 29(7), 318.

Hwang D, et al. (2016) A facile method to prepare large quantities of active caspase-3 overexpressed by auto-induction in the C41(DE3) strain. *Protein expression and purification*, 126, 104.

Waldron-Roby E, et al. (2015) Sox11 Reduces Caspase-6 Cleavage and Activity. *PloS one*, 10(10), e0141439.

Heinemann D, et al. (2014) Delivery of proteins to mammalian cells via gold nanoparticle mediated laser transfection. *Nanotechnology*, 25(24), 245101.

Turowec JP, et al. (2014) An unbiased proteomic screen reveals caspase cleavage is positively and negatively regulated by substrate phosphorylation. *Molecular & cellular*

proteomics : MCP, 13(5), 1184.

Halawani D, et al. (2010) Identification of Caspase-6-mediated processing of the valosin containing protein (p97) in Alzheimer's disease: a novel link to dysfunction in ubiquitin proteasome system-mediated protein degradation. The Journal of neuroscience : the official journal of the Society for Neuroscience, 30(17), 6132.