Resource Summary Report

Generated by RRID on Aug 25, 2026

pRK5M-ADAM10

RRID:Addgene_31717
Type: Plasmid

Proper Citation

RRID:Addgene_31717

Plasmid Information

URL: http://www.addgene.org/31717

Proper Citation: RRID:Addgene_31717

Insert Name: ADAM10

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: PMID:19595713

Vector Backbone Description: Backbone Size:4716; Vector Backbone:pRK5; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pRK5M-ADAM10

Record Creation Time: 20220422T222137+0000

Record Last Update: 20260815T081334+0000

Ratings and Alerts

No rating or validation information has been found for pRK5M-ADAM10.

No alerts have been found for pRK5M-ADAM10.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Dos Santos M, et al. (2026) Soluble ??-1, altered in disease CSF, modulates network homeostasis and rescues deficits in a neuropsychiatric mouse model. Neuron, 114(12), 2128.

Olety B, et al. (2025) The ectodomain sheddase ADAM10 restricts HIV-1 propagation and is counteracted by Nef. Science advances, 11(16), eadt1836.

Zhang Q, et al. (2024) Contactin-associated protein-like 2 (CNTNAP2) mutations impair the essential ?-secretase cleavages, leading to autism-like phenotypes. Signal transduction and targeted therapy, 9(1), 51.

Lipper CH, et al. (2023) Structural basis for membrane-proximal proteolysis of substrates by ADAM10. Cell, 186(17), 3632.

Pastore F, et al. (2023) A Bioengineering Strategy to Control ADAM10 Activity in Living Cells. International journal of molecular sciences, 24(2).

Brandimarti R, et al. (2023) The US9-Derived Protein gPTB9TM Modulates APP Processing Without Targeting Secretase Activities. Molecular neurobiology, 60(4), 1811.

Lipper CH, et al. (2022) Crystal structure of the Tspan15 LEL domain reveals a conserved ADAM10 binding site. Structure (London, England : 1993), 30(2), 206.

Ma X, et al. (2021) ADAM17 mediates ectodomain shedding of the soluble VLDL receptor fragment in the retinal epithelium. The Journal of biological chemistry, 297(4), 101185.

Koo CZ, et al. (2020) The tetraspanin Tspan15 is an essential subunit of an ADAM10 scissor complex. The Journal of biological chemistry, 295(36), 12822.

Dinamarca MC, et al. (2019) Complex formation of APP with GABAB receptors links axonal trafficking to amyloidogenic processing. Nature communications, 10(1), 1331.

Rasila T, et al. (2019) Astroprincin (FAM171A1, C10orf38): A Regulator of Human Cell Shape and Invasive Growth. The American journal of pathology, 189(1), 177.

Hou L, et al. (2018) PAX2 may induce ADAM10 expression in renal tubular epithelial cells and contribute to epithelial-to-mesenchymal transition. International urology and nephrology, 50(9), 1729.

Lu Y, et al. (2017) Regulated intramembrane proteolysis of the AXL receptor kinase generates an intracellular domain that localizes in the nucleus of cancer cells. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 31(4), 1382.

Seegar TCM, et al. (2017) Structural Basis for Regulated Proteolysis by the ?-Secretase ADAM10. Cell, 171(7), 1638.

Cai Z, et al. (2016) Activation of cell-surface proteases promotes necroptosis, inflammation and cell migration. Cell research, 26(8), 886.

Marcos S, et al. (2015) Secreted frizzled related proteins modulate pathfinding and fasciculation of mouse retina ganglion cell axons by direct and indirect mechanisms. The Journal of neuroscience : the official journal of the Society for Neuroscience, 35(11), 4729.

Atkin G, et al. (2014) F-box only protein 2 (Fbxo2) regulates amyloid precursor protein levels and processing. The Journal of biological chemistry, 289(10), 7038.