

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

[pRK793](#)

RRID:Addgene_8827

Type: Plasmid

Proper Citation

RRID:Addgene_8827

Plasmid Information

URL: <http://www.addgene.org/8827>

Proper Citation: RRID:Addgene_8827

Insert Name: TEV protease, S219V mutant

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: [PMID:11809930](#)

Vector Backbone Description: Backbone Marker:New England Biolabs; Backbone Size:6700; Vector Backbone:pMal-C2; Vector Types:Bacterial Expression; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: Bacterial strain: E.coli BL21(DE3)-RIL (Stratagene). pRK793 overproduces the catalytic domain of tobacco etch virus (TEV) protease in the form of an MBP fusion protein that cleaves itself in vivo to yield a TEV protease catalytic domain with an N-terminal His-tag and a C-terminal polyarginine tag.

Plasmid Name: pRK793

Relevant Mutation: S219V mutation (improves stability)

Record Creation Time: 20220422T222604+0000

Record Last Update: 20260815T082150+0000

Ratings and Alerts

No rating or validation information has been found for pRK793.

No alerts have been found for pRK793.

Data and Source Information

Usage and Citation Metrics

We found 112 mentions in open access literature.

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

Nashed A, et al. (2026) An in vitro approach for simulating divergent Golgi O-glycosylation of tumor-associated MUC1 from normal MUC1. *Nature communications*, 17(1).

Hinshaw SM, et al. (2026) The molecular basis for nuclear pore destruction by a proximity-inducing molecular glue. *Cell chemical biology*, 33(6), 799.

Fukuda Y, et al. (2025) Establishment of a Novel Caco-2-Based Cell Culture System for Human Sapovirus Propagation. *Genes to cells : devoted to molecular & cellular mechanisms*, 30(2), e70007.

Glasner DR, et al. (2025) The IFIT2-IFIT3 antiviral complex targets short 5' untranslated regions on viral mRNAs for translation inhibition. *Nature microbiology*, 10(11), 2934.

Li S, et al. (2025) Reconstruction of the ancient cyanobacterial proto-circadian clock system KaiABC. *The EMBO journal*, 44(10), 3025.

Parker DM, et al. (2025) G3BP1 promotes intermolecular RNA-RNA interactions during RNA condensation. *Molecular cell*, 85(3), 571.

Rananaware SR, et al. (2025) AsCas12a tolerates insertions in target DNA. *Nucleic acids research*, 53(17).

Byun KT, et al. (2025) Preclinical Proof of Concept for the Single-Protein Anticancer Molecule Targeting Both a Tumor Surface Antigen and an Intracellular Oncoprotein. *Advanced healthcare materials*, e02786.

Day A, et al. (2025) Regulatory mechanisms of PP2A complex assembly driven by physicochemical differences in A-subunit isoforms. *Structure (London, England : 1993)*.

Wandera KG, et al. (2025) AcrVIB1 inhibits CRISPR-Cas13b immunity by promoting unproductive crRNA binding accessible to RNase attack. *Molecular cell*, 85(6), 1162.

Nelson S, et al. (2025) PERRC: Protease Engineering with Reactant Residence Time Control. *ACS synthetic biology*, 14(6), 2241.

Nelson S, et al. (2025) PERRC: Protease Engineering with Reactant Residence Time Control. *bioRxiv : the preprint server for biology*.

Veitl F, et al. (2025) Engineering and Structural Elucidation of a Sac7d-Derived IgG Fc-Specific Affitin and Its Application for the Light-Controlled Affinity Purification of Antibodies. *Chembiochem : a European journal of chemical biology*, 26(11), e202500102.

Glasner DR, et al. (2025) Short 5' UTRs serve as a marker for viral mRNA translation inhibition by the IFIT2-IFIT3 antiviral complex. *bioRxiv : the preprint server for biology*.

Shams R, et al. (2025) A New Highly Specific and Soluble Protease for Precise Removal of N-Terminal Purification Tags. *ACS omega*, 10(28), 30354.

Promsuk J, et al. (2024) Optimizing protein delivery rate from silk fibroin hydrogel using silk fibroin-mimetic peptides conjugation. *Scientific reports*, 14(1), 4428.

Danlasky BM, et al. (2024) The P granule antibody KT3 recognizes epitopes in both PGL-1 and PGL-3. *microPublication biology*, 2024.

Nguyen LT, et al. (2024) Harnessing noncanonical crRNAs to improve functionality of Cas12a orthologs. *Cell reports*, 43(2), 113777.

Nashed A, et al. (2024) Universal Glycosyltransferase Continuous Assay for Uniform Kinetics and Inhibition Database Development and Mechanistic Studies Illustrated on ST3GAL1, C1GALT1, and FUT1. *ACS omega*, 9(15), 17518.

Li J, et al. (2024) Cullin-RING ligases employ geometrically optimized catalytic partners for substrate targeting. *Molecular cell*.