

Resource Summary Report

Generated by [kravitz2](#) on Aug 14, 2026

pKM586

RRID:Addgene_19978

Type: Plasmid

Proper Citation

RRID:Addgene_19978

Plasmid Information

URL: <http://www.addgene.org/19978>

Proper Citation: RRID:Addgene_19978

Insert Name: TEV protease

Organism: tobacco etch virus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:10873547](#)

Vector Backbone Description: Backbone Marker:Herman Bujard; Backbone Size:4300; Vector Backbone:pZS*24-MCS1; Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: This TEV protease expression vector is intended to be used for controlled intracellular processing of fusion proteins (TEV protease substrates) in E. coli. It is supplied in BL21-Pro cells so that transcription of TEV protease can be regulated by anhydrotetracycline. Replicon: pSC101 Promoter: Synthetic ³PL/tetO Inducer: anhydrotetracycline (100 ⁰g/liter) Notes: Expression of the TEV protease gene on pKM586 will be constitutive unless the host strain produces Tet repressor. Regulated expression can be achieved in DH5alphaPro or BL21Pro cells (Clontech). For best results, perform intracellular processing experiments at 30 °C.

Plasmid Name: pKM586

Relevant Mutation: S219D mutant

Record Creation Time: 20220422T222049+0000

Record Last Update: 20260808T081357+0000

Ratings and Alerts

No rating or validation information has been found for pKM586.

No alerts have been found for pKM586.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.