

Resource Summary Report

Generated by [NIF](#) on Sep 14, 2026

pKK-mCherry-TEV

RRID:Addgene_105779

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/105779>

Proper Citation: RRID:Addgene_105779

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:29590189](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Vector Backbone:pcDNA5/FRT/TO; Vector Types:Mammalian Expression, Flp-In competent; Bacterial Resistance:Ampicillin

Comments: This vector is a member of the pKK vector family. Its cloning site was optimized for the SLIC approach, however, a traditional restriction and ligation based approach is also possible (see Szczesny RJ et al. for detailed protocols; bioRxiv, doi: <https://doi.org/10.1101/160101>). This vector is a derivate of the pcDNA5/FRT/TO plasmid (Invitrogen) and is suitable for stable cell line generation using the Flp-In system. Transcription of the gene of interest is driven by a tetracycline responsive CMV promoter. A given coding sequence can be cloned into all pKK vectors using just three universal PCR primers and a ligation-independent DNA cloning method. mCherry descends from the first truly monomeric red fluorescent protein mRFP1, which was obtained by mutating DsRed from *Discosoma* sp. Note that EGFP and mCherry come from different organisms and their sequences differ greatly. However, GFP-type termini were introduced into mCherry to increase tolerance of N- and C-terminal fusions in mammalian cells (PMID: 15558047). Thus, terminal sequences of EGFP and mCherry are the same.

Plasmid Name: pKK-mCherry-TEV

Record Creation Time: 20220422T221513+0000

Record Last Update: 20260912T091419+0000

Ratings and Alerts

No rating or validation information has been found for pKK-mCherry-TEV.

No alerts have been found for pKK-mCherry-TEV.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.