# Resource Summary Report

Generated by NIF on Sep 17, 2026

## pKK-TEV-CyOFP1

RRID:Addgene_105799
Type: Plasmid

### Proper Citation

RRID:Addgene_105799

### Plasmid Information

**URL:** http://www.addgene.org/105799

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**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. CyOFP1 has large Stokes shift. It is excited in the blue and emits in the orange range. It can be multiplexed with EGFP in fluorescence based assays. Also as acceptor for blue-emitting luciferase (PMID: 27240196). CyOFP1 coding sequence was cloned from Addgene ID 74279.

**Plasmid Name:** pKK-TEV-CyOFP1

**Record Creation Time:** 20220422T221513+0000

**Record Last Update:** 20260912T091420+0000

### Ratings and Alerts

No rating or validation information has been found for pKK-TEV-CyOFP1.

No alerts have been found for pKK-TEV-CyOFP1.

## Data and Source Information

**Source:** Addgene

## Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Choi G, et al. (2024) Novel Estrogen Receptor Dimerization BRET-Based Biosensors for Screening Estrogenic Endocrine-Disrupting Chemicals. Biomaterials research, 28, 0010.