

Resource Summary Report

Generated by [RRID](#) on Aug 21, 2026

pcDNA5/FRT/TO_H2B-HaloTag10-T2A-Tomm20-HaloTag9

RRID:Addgene_175525

Type: Plasmid

Proper Citation

RRID:Addgene_175525

Plasmid Information

URL: <http://www.addgene.org/175525>

Proper Citation: RRID:Addgene_175525

Insert Name: H2B-HaloTag10 and Tomm20-HaloTag9

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:34916672](#)

Vector Backbone Description: Vector Backbone:pcDNA5/FR/TO; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note there are an additional 35 amino acids at the end of the insert. Depositor confirms these do not affect plasmid function. This plasmid was used in the experiments discussed in their publication.

Plasmid Name: pcDNA5/FRT/TO_H2B-HaloTag10-T2A-Tomm20-HaloTag9

Relevant Mutation: HaloTag10 = HaloTag7-Q165W and HaloTag9 = HaloTag7-Q165H-P174R

Record Creation Time: 20220422T222014+0000

Record Last Update: 20260815T081051+0000

Ratings and Alerts

No rating or validation information has been found for pcDNA5/FRT/TO_H2B-HaloTag10-T2A-Tomm20-HaloTag9.

No alerts have been found for pcDNA5/FRT/TO_H2B-HaloTag10-T2A-Tomm20-HaloTag9.

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 [RRID](#) .

Uehara T, et al. (2025) Biotin methyl ester enhances cargo release in RUSH system and enables rapid biotinylation with TurboID. Communications biology, 8(1), 1767.