

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

pBTR(hCc)

RRID:Addgene_61026

Type: Plasmid

Proper Citation

RRID:Addgene_61026

Plasmid Information

URL: <http://www.addgene.org/61026>

Proper Citation: RRID:Addgene_61026

Insert Name: horse cytochrome c

Organism: Equus*

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:11437597](#)

Vector Backbone Description: Backbone Marker:Multiple labs; Vector Backbone:pBTR(C102T); Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Notes from depositor: CYC3 encodes the enzyme, which we call heme lysase in the paper, that covalently attaches the heme to the apocytochrome c. That is, the plasmid has BOTH the CYC3 gene and the structural gene for horse cytochrome c. The horse cytochrome C sequence has been codon optimized.

Plasmid Name: pBTR(hCc)

Relevant Mutation: *see comments

Record Creation Time: 20220422T222350+0000

Record Last Update: 20260815T081738+0000

Ratings and Alerts

No rating or validation information has been found for pBTR(hCc).

No alerts have been found for pBTR(hCc).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Darzynkiewicz ZM, et al. (2025) Binding of Cytochrome c to CdTe Colloidal Quantum Dots ?Investigation of Stoichiometry and Thermodynamics of the Nanohybrid Creation Process. ACS omega, 10(27), 29628.

Li J, et al. (2022) New insights into the folding-unfolding mechanism and conformations of cytochrome C. Chemical science, 13(25), 7498.