

Resource Summary Report

Generated by [NIF](#) on Aug 18, 2026

pCAG HRP-TM

RRID:Addgene_44441

Type: Plasmid

Proper Citation

RRID:Addgene_44441

Plasmid Information

URL: <http://www.addgene.org/44441>

Proper Citation: RRID:Addgene_44441

Insert Name: Horseradish peroxidase fused to the transmembrane domain of PDGFR

Organism: Synthetic

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23371551](#)

Vector Backbone Description: Vector Backbone:pCAG; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: This construct has the Ig k-chain leader sequence on the N-terminus, which directs the protein to the secretory pathway. HRP faces the extracellular side of the plasma membrane.

Plasmid Name: pCAG HRP-TM

Record Creation Time: 20220422T222229+0000

Record Last Update: 20260815T081516+0000

Ratings and Alerts

No rating or validation information has been found for pCAG HRP-TM.

No alerts have been found for pCAG HRP-TM.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Marostica G, et al. (2026) Extracellular Vesicle-Associated IL4 Displays Enhanced Anti-Inflammatory Properties in Microglial Cells. *Journal of extracellular biology*, 5(6), e70111.

Saner N, et al. (2025) Proximity Labeling and SILAC-Based Proteomic Approach Identifies Proteins at the Interface of Homotypic and Heterotypic Cancer Cell Interactions. *Molecular & cellular proteomics : MCP*, 24(6), 100986.

Zhang Z, et al. (2025) Spatiotemporally resolved mapping of extracellular proteomes via in vivo-compatible TyroID. *Nature communications*, 16(1), 2553.

Rim EY, et al. (2023) APEX2-Mediated Proximity Labeling of Wnt Receptor Interactors Upon Pathway Activation. *microPublication biology*, 2023.

Cijsouw T, et al. (2018) Mapping the Proteome of the Synaptic Cleft through Proximity Labeling Reveals New Cleft Proteins. *Proteomes*, 6(4).

Martell JD, et al. (2017) Electron microscopy using the genetically encoded APEX2 tag in cultured mammalian cells. *Nature protocols*, 12(9), 1792.

Dhanani KCH, et al. (2017) Fibronectin is a stress responsive gene regulated by HSF1 in response to geldanamycin. *Scientific reports*, 7(1), 17617.