

Resource Summary Report

Generated by [dkNET](#) on Aug 19, 2026

pHR-mCh-Cry2WT

RRID:Addgene_101221

Type: Plasmid

Proper Citation

RRID:Addgene_101221

Plasmid Information

URL: <http://www.addgene.org/101221>

Proper Citation: RRID:Addgene_101221

Insert Name: Cry2PHR

Organism: Arabidopsis thaliana

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28041848](#)

Vector Backbone Description: Vector Backbone:pHR; Vector Types:Mammalian Expression, Lentiviral; Bacterial Resistance:Ampicillin

Comments: Our Cry2WT contains an additional 29 amino acids at the C-terminus of Cry2PHR. These additional residues are also retained in other constructs we used in the associated study.

Plasmid Name: pHR-mCh-Cry2WT

Record Creation Time: 20220422T221452+0000

Record Last Update: 20260815T080018+0000

Ratings and Alerts

No rating or validation information has been found for pHR-mCh-Cry2WT.

No alerts have been found for pHR-mCh-Cry2WT.

Data and Source Information

Usage and Citation Metrics

We found 21 mentions in open access literature.

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

Zhao H, et al. (2026) ALYREF condensation stabilizes m5C-modified PARP10 mRNA and promotes PI3K-AKT signaling in ovarian cancer. *The EMBO journal*, 45(2), 471.

Gelder KL, et al. (2026) CBP-IDRs regulate acetylation and gene expression. *Cell reports*, 45(3), 117109.

Islam M, et al. (2025) Phosphorylation of CRYAB induces a condensatopathy to worsen post-myocardial infarction left ventricular remodeling. *The Journal of clinical investigation*, 135(7).

Velichko AK, et al. (2025) Treacle's ability to form liquid-like phase condensates is essential for nucleolar fibrillar center assembly, efficient rRNA transcription and processing, and rRNA gene repair. *eLife*, 13.

Fu W, et al. (2025) Multivalent interactions of Septin 6 promote the establishment of epithelial cell polarity. *Journal of molecular cell biology*, 17(1).

Qin F, et al. (2025) hnRNPL phase separation activates PIK3CB transcription and promotes glycolysis in ovarian cancer. *Nature communications*, 16(1), 4828.

So CL, et al. (2025) TFE3 fusion oncoprotein condensates drive transcriptional reprogramming and cancer progression in translocation renal cell carcinoma. *Cell reports*, 44(4), 115539.

Xie Y, et al. (2024) Polysome collapse and RNA condensation fluidize the cytoplasm. *Molecular cell*, 84(14), 2698.

McGory JM, et al. (2024) Multimerization of a disordered kinetochore protein promotes accurate chromosome segregation by localizing a core dynein module. *The Journal of cell biology*, 223(3).

Glossop MS, et al. (2024) TIRR regulates mRNA export and association with P-bodies in response to DNA damage. *Nucleic acids research*, 52(20), 12633.

Yang L, et al. (2023) Rabphilin-3A undergoes phase separation to regulate GluN2A mobility and surface clustering. *Nature communications*, 14(1), 379.

Vaglietti S, et al. (2023) PolyQ length-based molecular encoding of vocalization frequency in FOXP2. *iScience*, 26(10), 108036.

Liu Y, et al. (2023) DNA-initiated epigenetic cascades driven by C9orf72 hexanucleotide repeat. *Neuron*, 111(8), 1205.

McGory JM, et al. (2023) An intrinsically disordered kinetochore protein coordinates mechanical regulation of chromosome segregation by dynein. *bioRxiv : the preprint server for biology*.

Zhou R, et al. (2022) CTCF DNA-binding domain undergoes dynamic and selective protein-protein interactions. *iScience*, 25(9), 105011.

Xie X, et al. (2022) C-terminal deletion-induced condensation sequesters AID from IgH targets in immunodeficiency. *The EMBO journal*, 41(11), e109324.

Yuan B, et al. (2022) Wiskott-Aldrich syndrome protein forms nuclear condensates and regulates alternative splicing. *Nature communications*, 13(1), 3646.

Chen D, et al. (2022) Integration of light and temperature sensing by liquid-liquid phase separation of phytochrome B. *Molecular cell*, 82(16), 3015.

Wang X, et al. (2021) Deletion of ER-retention motif on SARS-CoV-2 spike protein reduces cell hybrid during cell-cell fusion. *Cell & bioscience*, 11(1), 114.

Lee JH, et al. (2021) Enhancer RNA m6A methylation facilitates transcriptional condensate formation and gene activation. *Molecular cell*, 81(16), 3368.