

Resource Summary Report

Generated by [RRID](#) on Aug 25, 2026

pCAG:mRFP1

RRID:Addgene_32600

Type: Plasmid

Proper Citation

RRID:Addgene_32600

Plasmid Information

URL: <http://www.addgene.org/32600>

Proper Citation: RRID:Addgene_32600

Insert Name: mRFP1

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:15996270](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pCAGGS; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The mRFP1 coding sequence was amplified by PCR using primers 5'RFP (5'-cgtagaattcgccaccaatggctagcatgactgg) and 3'RFP (5'-gcacgaattcgggcgccggtggagtggcggcc) using Pfx Polymerase (Invitrogen). The resulting product was cloned into the EcoRI site of pCAGGS to generate pCXmRFP1. Transient transfection of Cos-7 cells using Eugene 6 Transfection Reagent as per manufacturer's recommendations (Roche) was used to evaluate pCX-mRFP1, and verify that it produced robust red fluorescence More Information: <https://www.ncbi.nlm.nih.gov/pubmed/12060735> A monomeric red fluorescent protein. Campbell et al (PNAS. 2002 Jun 11; 99:12)

Plasmid Name: pCAG:mRFP1

Record Creation Time: 20220422T222141+0000

Record Last Update: 20260815T081347+0000

Ratings and Alerts

No rating or validation information has been found for pCAG:mRFP1.

No alerts have been found for pCAG:mRFP1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Barão S, et al. (2024) BRN1/2 Function in Neocortical Size Determination and Microcephaly. bioRxiv : the preprint server for biology.

Barão S, et al. (2024) Conserved transcriptional regulation by BRN1 and BRN2 in neocortical progenitors drives mammalian neural specification and neocortical expansion. Nature communications, 15(1), 8043.

Fabra-Beser J, et al. (2021) Differential Expression Levels of Sox9 in Early Neocortical Radial Glial Cells Regulate the Decision between Stem Cell Maintenance and Differentiation. The Journal of neuroscience : the official journal of the Society for Neuroscience, 41(33), 6969.

Zajkowski T, et al. (2015) Stabilization of microtubular cytoskeleton protects neurons from toxicity of N-terminal fragment of cytosolic prion protein. Biochimica et biophysica acta, 1853(10 Pt A), 2228.