

Resource Summary Report

Generated by [NIF](#) on Aug 31, 2026

pmScarlet-i_C1

RRID:Addgene_85044

Type: Plasmid

Proper Citation

RRID:Addgene_85044

Plasmid Information

URL: <http://www.addgene.org/85044>

Proper Citation: RRID:Addgene_85044

Insert Name: mScarlet-i

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:27869816](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:4000; Vector Backbone:pC1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Plasmid Name: pmScarlet-i_C1

Record Creation Time: 20220422T222547+0000

Record Last Update: 20260829T081158+0000

Ratings and Alerts

No rating or validation information has been found for pmScarlet-i_C1.

No alerts have been found for pmScarlet-i_C1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 51 mentions in open access literature.

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

Ahmad M, et al. (2026) A Site-Specific Self-Association of a Protein Hub Drives Its Phase Separation. *ACS chemical biology*, 21(1), 46.

Johansson JM, et al. (2025) Cellular and biophysical barriers to lipid nanoparticle mediated delivery of RNA to the cytosol. *Nature communications*, 16(1), 5354.

Shigeta M, et al. (2025) Generation of Knock-In Syrian Hamsters via Zygote Microinjection Using CRISPR/Cas9 Genome Editing. *Genesis* (New York, N.Y. : 2000), 63(5), e70027.

Abe T, et al. (2025) Efficient CRISPR/Cas9-mediated knockin of reporter genes in rats at ROSA26 by pronuclear microinjection. *Development, growth & differentiation*, 67(4), 215.

Pemberton JG, et al. (2025) Acute diacylglycerol production activates critical membrane-shaping proteins leading to mitochondrial tubulation and fission. *Nature communications*, 16(1), 2685.

Lee H, et al. (2025) A Rho GTPase-effector ensemble governs cell migration behavior. *Nature communications*, 16(1), 9637.

Takahashi T, et al. (2025) Weight Gain With Advancing Age Is Controlled by the Muscarinic Acetylcholine Receptor M4 in Male Mice. *Endocrinology*, 166(6).

Boswell CW, et al. (2025) Genetically encoded affinity reagents are a toolkit for visualizing and manipulating endogenous protein function in vivo. *Nature communications*, 16(1), 5503.

Spahn C, et al. (2025) The nucleoid of rapidly growing *Escherichia coli* localizes close to the inner membrane and is organized by transcription, translation, and cell geometry. *Nature communications*, 16(1), 3732.

Kumar R, et al. (2024) DENND6A links Arl8b to a Rab34/RILP/dynein complex, regulating lysosomal positioning and autophagy. *Nature communications*, 15(1), 919.

Muniesa-Vargas A, et al. (2024) Persistent TFIIH binding to non-excised DNA damage causes cell and developmental failure. *Nature communications*, 15(1), 3490.

Moreno-Aguilera M, et al. (2024) KIS counteracts PTBP2 and regulates alternative exon usage in neurons. *eLife*, 13.

Kollmar M, et al. (2024) Actomyosin organelle functions of SPIRE actin nucleators precede animal evolution. *Communications biology*, 7(1), 832.

Reiter S, et al. (2024) Development of rhesus macaque astrocyte cell lines supporting infection with a panel of viruses. *PloS one*, 19(5), e0303059.

Janusz-Kaminska A, et al. (2024) Rab11 regulates autophagy at dendritic spines in an mTOR- and NMDA-dependent manner. *Molecular biology of the cell*, 35(3), ar43.

Martin RM, et al. (2023) Live-cell imaging unveils distinct R-loop populations with heterogeneous dynamics. *Nucleic acids research*, 51(20), 11010.

Kumar S, et al. (2023) Cas phosphorylation regulates focal adhesion assembly. *eLife*, 12.

Kan WL, et al. (2023) Distinct Assemblies of Heterodimeric Cytokine Receptors Govern Stemness Programs in Leukemia. *Cancer discovery*, 13(8), 1922.

Sidhaye J, et al. (2023) Integrated transcriptome and proteome analysis reveals posttranscriptional regulation of ribosomal genes in human brain organoids. *eLife*, 12.

Danielsson BE, et al. (2023) Nuclear lamina strain states revealed by intermolecular force biosensor. *Nature communications*, 14(1), 3867.