

Resource Summary Report

Generated by [NIF](#) on Aug 27, 2026

mCherry-TFR-20

RRID:Addgene_55144

Type: Plasmid

Proper Citation

RRID:Addgene_55144

Plasmid Information

URL: <http://www.addgene.org/55144>

Proper Citation: RRID:Addgene_55144

Insert Name: TFR

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mCherry; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 587; Emission = 610

Plasmid Name: mCherry-TFR-20

Record Creation Time: 20220422T222323+0000

Record Last Update: 20260826T042347+0000

Ratings and Alerts

No rating or validation information has been found for mCherry-TFR-20.

No alerts have been found for mCherry-TFR-20.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 13 mentions in open access literature.

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

Tavakoli A, et al. (2025) Hemifusomes and interacting proteolipid nanodroplets mediate multi-vesicular body formation. *Nature communications*, 16(1), 4609.

Scavone F, et al. (2025) Trafficking of K63-polyubiquitin-modified membrane proteins in a macroautophagy-independent pathway is linked to ATG9A. *Molecular biology of the cell*, 36(4), ar42.

Samanta S, et al. (2025) Syntaxin-2 balances phagocytic uptake and phagolysosomal clearance in macrophages. *Journal of cell science*, 138(15).

Chen H, et al. (2023) Vesicle-associated membrane protein 2 is a cargo-selective v-SNARE for a subset of GPCRs. *The Journal of cell biology*, 222(7).

Hülsemann M, et al. (2021) TC10 regulates breast cancer invasion and metastasis by controlling membrane type-1 matrix metalloproteinase at invadopodia. *Communications biology*, 4(1), 1091.

Kosciuk T, et al. (2020) NMT1 and NMT2 are lysine myristoyltransferases regulating the ARF6 GTPase cycle. *Nature communications*, 11(1), 1067.

Wu J, et al. (2019) Intercellular interaction dictates cancer cell ferroptosis via NF2-YAP signalling. *Nature*, 572(7769), 402.

Baschieri F, et al. (2018) Frustrated endocytosis controls contractility-independent mechanotransduction at clathrin-coated structures. *Nature communications*, 9(1), 3825.

Zhang X, et al. (2018) Blood-brain barrier shuttle peptides enhance AAV transduction in the brain after systemic administration. *Biomaterials*, 176, 71.

Yap CC, et al. (2018) Degradation of dendritic cargos requires Rab7-dependent transport to somatic lysosomes. *The Journal of cell biology*, 217(9), 3141.

Sabbir MG, et al. (2018) Loss of Ca²⁺/Calmodulin Dependent Protein Kinase Kinase 2 Leads to Aberrant Transferrin Phosphorylation and Trafficking: A Potential Biomarker for Alzheimer's Disease. *Frontiers in molecular biosciences*, 5, 99.

Plesch E, et al. (2018) Selective agonist of TRPML2 reveals direct role in chemokine release from innate immune cells. *eLife*, 7.

Dettmer U, et al. (2017) Loss of native α -synuclein multimerization by strategically mutating its amphipathic helix causes abnormal vesicle interactions in neuronal cells. *Human molecular genetics*, 26(18), 3466.