

Resource Summary Report

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

BiP-mCherry

RRID:Addgene_62233

Type: Plasmid

Proper Citation

RRID:Addgene_62233

Plasmid Information

URL: <http://www.addgene.org/62233>

Proper Citation: RRID:Addgene_62233

Insert Name: hamster BiP-mCherry-KDEL

Organism: Synthetic

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:20410136](#)

Vector Backbone Description: Backbone Marker:clontech; Backbone Size:4000; Vector Backbone:clontech N1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: Avoid overexpression. Low expressing cells are best for imaging. High expression leads to protein aggregation in the nuclear envelope. See supplementary data for original paper. Do NOT use this as an ER marker. BiP is a functional protein and significantly impacts the ER environment increasing stress resistance. Use ER-mCherry if you simply want a marker for the ER when imaging cells.

Plasmid Name: BiP-mCherry

Record Creation Time: 20220422T222356+0000

Record Last Update: 20260815T081751+0000

Ratings and Alerts

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

No alerts have been found for BiP-mCherry.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Pontisso I, et al. (2024) Gradual ER calcium depletion induces a progressive and reversible UPR signaling. PNAS nexus, 3(6), pgae229.

Feliziani C, et al. (2022) Ca²⁺ signalling system initiated by endoplasmic reticulum stress stimulates PERK activation. Cell calcium, 106, 102622.

Mofed D, et al. (2022) Genetically Engineered Hepatitis C Virus-like Particles (HCV-LPs) Tagged with SP94 Peptide to Acquire Selectivity to Liver Cancer Cells via Grp78. Current issues in molecular biology, 44(8), 3746.

Anwar M, et al. (2021) Tyrosine phosphorylation of S1PR1 leads to chaperone BiP-mediated import to the endoplasmic reticulum. The Journal of cell biology, 220(12).

Wong AY, et al. (2016) Aberrant Subcellular Dynamics of Sigma-1 Receptor Mutants Underlying Neuromuscular Diseases. Molecular pharmacology, 90(3), 238.