

Resource Summary Report

Generated by [dkNET](#) on Aug 22, 2026

pEF6.mCherry-TSG101

RRID:Addgene_38318

Type: Plasmid

Proper Citation

RRID:Addgene_38318

Plasmid Information

URL: <http://www.addgene.org/38318>

Proper Citation: RRID:Addgene_38318

Insert Name: TSG101

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:22315426](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5780; Vector Backbone:pEF6; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Please note that there is a mutation in the TSG101 ORF, Y82H. This mutation should not affect plasmid function.

Plasmid Name: pEF6.mCherry-TSG101

Record Creation Time: 20220422T222202+0000

Record Last Update: 20260815T081421+0000

Ratings and Alerts

No rating or validation information has been found for pEF6.mCherry-TSG101.

No alerts have been found for pEF6.mCherry-TSG101.

Data and Source Information

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Ray S, et al. (2025) HIF-1 Targeting Intervention Renders Protection From Alzheimer's-Like Pathology in a Humanized Mice Model of HIV Infection. *Journal of extracellular vesicles*, 14(11), e70191.

Chemparathy DT, et al. (2024) Neuropathogenic role of astrocyte-derived extracellular vesicles in HIV-associated neurocognitive disorders. *Journal of extracellular vesicles*, 13(4), e12439.

Maeda Y, et al. (2022) Biomolecular Fluorescence Complementation Profiling and Artificial Intelligence Structure Prediction of the Kaposi's Sarcoma-Associated Herpesvirus ORF18 and ORF30 Interaction. *International journal of molecular sciences*, 23(17).

Kojima W, et al. (2021) Mammalian BCAS3 and C16orf70 associate with the phagophore assembly site in response to selective and non-selective autophagy. *Autophagy*, 17(8), 2011.

Bo T, et al. (2020) Mitochondrial fission promotes radiation-induced increase in intracellular Ca²⁺ level leading to mitotic catastrophe in mouse breast cancer EMT6 cells. *Biochemical and biophysical research communications*, 522(1), 144.

Tian C, et al. (2020) Extracellular vesicular MicroRNA-27a* contributes to cardiac hypertrophy in chronic heart failure. *Journal of molecular and cellular cardiology*, 143, 120.

Liao K, et al. (2020) Morphine-mediated release of miR-138 in astrocyte-derived extracellular vesicles promotes microglial activation. *Journal of extracellular vesicles*, 10(1), e12027.

Hsu KS, et al. (2019) CLIC4 regulates late endosomal trafficking and matrix degradation activity of MMP14 at focal adhesions in RPE cells. *Scientific reports*, 9(1), 12247.

El Buri A, et al. (2018) The sphingosine 1-phosphate receptor 2 is shed in exosomes from breast cancer cells and is N-terminally processed to a short constitutively active form that promotes extracellular signal regulated kinase activation and DNA synthesis in fibroblasts. *Oncotarget*, 9(50), 29453.

Hu G, et al. (2018) Astrocyte EV-Induced lincRNA-Cox2 Regulates Microglial Phagocytosis: Implications for Morphine-Mediated Neurodegeneration. *Molecular therapy. Nucleic acids*, 13, 450.

Yang L, et al. (2018) Exosomal miR-9 Released from HIV Tat Stimulated Astrocytes Mediates Microglial Migration. *Journal of neuroimmune pharmacology : the official journal of the Society on NeuroImmune Pharmacology*, 13(3), 330.

de Cárcer G, et al. (2018) Plk1 overexpression induces chromosomal instability and suppresses tumor development. *Nature communications*, 9(1), 3012.

Suzuki M, et al. (2017) MK-8776, a novel Chk1 inhibitor, exhibits an improved radiosensitizing effect compared to UCN-01 by exacerbating radiation-induced aberrant mitosis. *Translational oncology*, 10(4), 491.

Benvegnù S, et al. (2017) Aging Triggers Cytoplasmic Depletion and Nuclear Translocation of the E3 Ligase Mahogunin: A Function for Ubiquitin in Neuronal Survival. *Molecular cell*, 66(3), 358.

Dolnik O, et al. (2014) Interaction with Tsg101 is necessary for the efficient transport and release of nucleocapsids in marburg virus-infected cells. *PLoS pathogens*, 10(10), e1004463.