

Resource Summary Report

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

pmCherry-ATG5-K130R

RRID:Addgene_13096

Type: Plasmid

Proper Citation

RRID:Addgene_13096

Plasmid Information

URL: <http://www.addgene.org/13096>

Proper Citation: RRID:Addgene_13096

Insert Name: ATG5-K130R

Organism: Mus musculus

Bacterial Resistance: Kanamycin

Defining Citation: [PMID:16645637](#)

Vector Backbone Description: Backbone Marker:Clontech; Backbone Size:3941; Vector Backbone:pEGFPC1; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: for mCherry marker protein Campbell RE, Tour O, Palmer AE, Steinbach PA, Baird GS, Zacharias DA, Tsien RY. Proc Natl Acad Sci U S A. 2002 Jun 11;99(12):7877-82

Plasmid Name: pmCherry-ATG5-K130R

Relevant Mutation: K130R

Record Creation Time: 20220422T221727+0000

Record Last Update: 20260815T080513+0000

Ratings and Alerts

No rating or validation information has been found for pmCherry-ATG5-K130R.

No alerts have been found for pmCherry-ATG5-K130R.

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](#) .

Doerr V, et al. (2020) Prevention of Doxorubicin-Induced Autophagy Attenuates Oxidative Stress and Skeletal Muscle Dysfunction. *Antioxidants* (Basel, Switzerland), 9(3).

Smuder AJ, et al. (2018) Crosstalk between autophagy and oxidative stress regulates proteolysis in the diaphragm during mechanical ventilation. *Free radical biology & medicine*, 115, 179.

Brooks CR, et al. (2015) KIM-1-/TIM-1-mediated phagocytosis links ATG5-/ULK1-dependent clearance of apoptotic cells to antigen presentation. *The EMBO journal*, 34(19), 2441.

Krieger V, et al. (2014) Reorganization of the endosomal system in Salmonella-infected cells: the ultrastructure of Salmonella-induced tubular compartments. *PLoS pathogens*, 10(9), e1004374.

Martinez-Lopez N, et al. (2013) Autophagy proteins regulate ERK phosphorylation. *Nature communications*, 4, 2799.