

Resource Summary Report

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MEF GFP-LC3-RFP-LC3deltaG

RRID:CVCL_UP52

Type: Cell Line

Proper Citation

RCB Cat# RCB4696, RRID:CVCL_UP52

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_UP52

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Description: Cell line MEF GFP-LC3-RFP-LC3deltaG is a Spontaneously immortalized cell line with a species of origin *Mus musculus* (Mouse)

Sex: Sex unspecified

Defining Citation: [PMID:27818143](#)

Comments: Characteristics: Stably expresses EGFP-LC3-mRFP-LC3delta, an autophagic flux probe. GFP-LC3 is fused to the N-terminus of RFP-LC3 whose C-terminal glycine is deleted. When expressed, the probe is separated into EGFP-LC3 and mRFP-LC3deltaG by the action of endogenous ATG4 family proteases that cleave the peptide bond after the C-terminal glycine of LC3 in the cytosol producing equimolar amounts of EGFP-LC3 and mRFP-LC3deltaG (PubMed=27818143).

Category: Spontaneously immortalized cell line

Organism: *Mus musculus* (Mouse)

Name: MEF GFP-LC3-RFP-LC3deltaG

Synonyms: GFP-LC3-RFP-LC3deltaG MEF

Cross References: RCB:RCB4696, Wikidata:Q95988436

ID: CVCL_UP52

Vendor: RCB

Catalog Number: RCB4696

Record Creation Time: 20250130T072122+0000

Record Last Update: 20260905T184056+0000

Ratings and Alerts

No rating or validation information has been found for MEF GFP-LC3-RFP-LC3deltaG.

No alerts have been found for MEF GFP-LC3-RFP-LC3deltaG.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.