

# MEF ULK1 KO (SV40) Cell Line

**Catalogue number:** 152609

**Sub-type:**

**Images:**

## Contributor

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**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** MEF ULK1 KO (SV40) Cell Line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** The MEF ULK1 KO (SV40) cell line provides a tool for the study of Ulk1 and of Autophagy and has a comparable genetic background to MEF Ulk1 Ulk2 DKO and MEF Ulk2 KO cell lines. This cell line is derived from an embryo with a mixed genetic background (Blk6/129 Agouti) and has been immortalised with SV40 large T-antigen.

**Purpose:**

**Parental cell:**

**Organism:** Mouse

**Tissue:** Embryo

**Model:** Knock-Out

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:** Fibroblast

**Production details:** Primary embryonic fibroblasts were isolated from the embryos of a pregnant female Ulk1<sup>-/-</sup> Ulk2<sup>+/-</sup> mouse at day 13p.c. The embryos were genotyped to identify those that were Ulk1<sup>-/-</sup> Ulk2<sup>+/-</sup> and the MEFs that were isolated and cultured were immortalised by SV40 using a

standard serial passaging protocol.

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** ULK1, ULK2

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:** DMEM + 20% FCS + 2mM Glutamine + pen/strep

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:**

**Shipping conditions:** Dry ice

## Related tools

**Related tools:** MEF ULK1/2 WT (SIM) Cell Line ; MEF ULK1 KO (SIM) Cell Line ; MEF ULK1/2 WT(SV40) Cell Line ; MEF ULK2 KO (SIM) Cell Line ; MEF ULK1 ULK2 DKO (SIM) Cell Line ; MEF ULK1 ULK2 DKO (SV40) Cell Line ; MEF ULK2 KO (SV40) Cell Line

## References

**References:** McAlpine et al. 2013. Autophagy. 9(3):361-73. PMID: 23291478. ; Regulation of nutrient-sensitive autophagy by uncoordinated 51-like kinases 1 and 2.

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