

MEF ULK1 ULK2 DKO (SV40) Cell Line

Catalogue number: 152608

Sub-type:

Images:

Contributor

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: MEF ULK1 ULK2 DKO (SV40) Cell Line

Alternate name:

Class:

Conjugate:

Description: The MEF ULK1 ULK2 DKO (SV40) cell line provides a tool for the study of Ulk1 and Ulk2 and of Autophagy. Mouse embryonic fibroblast Ulk1/Ulk2 double knock-out cell line is from an embryo with a mixed genetic background (Blk6/129 Agouti). Cells were immortalized 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^{-/-} Ulk2^{+/-} mouse at day 13 p.c. The embryos were genotyped to identify those that were Ulk1^{-/-} Ulk2^{-/-} 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 KO (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. ; Chan et al. 2009. Mol Cell Biol. 29(1):157-71. PMID: 18936157. ; Kinase-inactivated ULK proteins inhibit autophagy via their conserved C-terminal domains using an Atg13-independent mechanism.

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