

# S\_M6R1 Cell Line

**Catalogue number:** 152839

**Sub-type:** Continuous

**Images:**

## Contributor

**Inventor:** John Lunec

**Institute:** Newcastle University

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** S\_M6R1 Cell Line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** To determine how resistance to MDM2/p53 binding antagonists might develop, SJSA-1 cells were exposed to growth inhibitory concentrations of a MDM2 inhibitor, MI-63, and a clonal resistant cell line was generated. The p53 mediated responses of the parental and resistant cell line were compared. In contrast to the parental cell lines, p53 activation by Nutlin-3, MI-63 or ionizing radiation was not observed in the SJSA-1 derived cell line, S-M6R1.

**Purpose:**

**Parental cell:** SJSA-1

**Organism:** Human

**Tissue:** Bone

**Model:** Cancer Model

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:** Resistant cell lines were established by exposing SJSA-1 cells to MI-63. Single cell derived colonies were isolated with cloning cylinders and the clonal population expanded in culture

medium containing the MDM2/p53 antagonist refreshed weekly for 60 days. Stage 1 resistant clones were then further exposed to increased concentrations of MI-63 for 30 days to generate stage 2 resistant clones.

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:** Frozen

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:** Liquid Nitrogen

**Shipping conditions:** Dry ice

## Related tools

**Related tools:**

## References

**References:** TP53 mutant MDM2-amplified cell lines selected for resistance to MDM2-p53 binding antagonists retain sensitivity to ionizing radiation. ; Drummond et al. 2016. Oncotarget. ∴ PMID: 27323823.

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