

2fTGH-U6A Cell Line

Catalogue number: 151805

Sub-type: Continuous

Images:

Contributor

Inventor: George Stark

Institute: Cancer Research UK, London Research Institute: Lincoln's Inn Fields

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: 2fTGH-U6A Cell Line

Alternate name:

Class:

Conjugate:

Description: The 2fTGH-U6A Cell Line is part of a panel of IFN γ pathway mutant fibrosarcoma cell lines isolated by chemical mutagenesis of IFN γ insensitive reporter cells derived from HT1080 cells. Knockout genes have been identified and span multiple members of the IFN γ pathway. These cell lines are be useful for the in vitro study and comparison of disrupted interferon signalling at multiple points across the IFN pathway. The following cell lines are part of the group of IFN signalling mutants: U4C, U2A, U3A, 2FTGH, U6A, U5A. Each containing a different mutation in the IFN signalling pathway.

Purpose:

Parental cell: HT 1080

Organism: Human

Tissue:

Model: Mutant

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details: Human; HT1080 human sarcoma cell lines transfected with a vector encoding a

selectable marker regulated by interferon to create the 2fTGH cell line, enabling selection of mutations in genes encoding components of the interferon signalling pathway. Chemical mutagenesis of the 2fTGH cell line enabled isolation of 10 IFN γ signalling mutants.

Formulation:

Recommended controls: The wild type 2fTGH human fibrosarcoma as a positive control together

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: IFN γ signalling mutant U6A

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: Parental 2fTGH and mutant cell lines can be grown in DMEM with 10% FCS.

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools: 2fTGH-U2A Cell Line ; 2fTGH-U3A Cell Line ; 2fTGH-U4A Cell Line ; 2fTGH-U4C Cell Line ; 2fTGH-U5A Cell Line ; 2fTGH Cell Line

References

References: Stevens et al. 2009. J Cell Biol. 187(3):355-63. PMID: 19948479. ; Ana3 is a conserved protein required for the structural integrity of centrioles and basal bodies.

CancerTools.org