

MCF10A hRas_V12 cell line

Catalogue number: 156525

Sub-type: Continuous

Images:

Contributor

Inventor: Sarah-Maria Fendt

Institute: Vlaams Instituut voor Biotechnologie (VIB)

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: MCF10A hRas_V12 cell line

Alternate name: transforming protein p21, h-Ras, HRAS

Class:

Conjugate:

Description: MCF10A cells are frequently used to study signalling pathways in breast cancer. They can be grown in 3D culture. The addition of the H-Ras12 simulates breast cancer as 50% of breast cancers display increased H-Ras activity.

Purpose:

Parental cell: MCF10A

Organism: Human

Tissue: Breast

Model: Cancer Model

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes: There is a negative control for this cell line which was made using the same pLA vector but not expressing the HRAS gene.

Target details

Target: HRas

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes: There is a negative control for this cell line which was made using the same pLA vector but not expressing the HRAS gene.

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: DMEM-F12 supplemented with 5% horse serum, 1% penicillin (50 units ml⁻¹), 1% streptomycin (50 µg ml⁻¹), 0.5 µg ml⁻¹ hydrocortisone, 100 ng ml⁻¹ cholera toxin, 10 µg ml⁻¹ insulin and 20 ng ml⁻¹ recombinant human EGF.

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: Liquid Nitrogen

Shipping conditions: Dry ice

Related tools

Related tools: MCF10A pLA(empty) (negCTRL for hRas_V12 cell line)

References

References: Elia et al. 2017. Nat Commun. 8:15267. PMID: 28492237.

CancerTools.org