

16E6/E7 HCK cell line

Catalogue number: 154442

Sub-type: Continuous

Images:

Contributor

Inventor: Aloysius Klingelhutz

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Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: 16E6/E7 HCK cell line

Alternate name:

Class:

Conjugate:

Description: Expresses cervical epithelia cell markers; responds to inflammatory agents; supports growth of cervical pathogens. Used as an immortal adult human cervical keratinocyte line for pathogenesis and inflammation studies.

Purpose:

Parental cell: Human ectocervix cells

Organism: Human

Tissue: Cervix

Model:

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: E6/E7-immortalized cells generally showed an increase in telomere length as they were passaged in culture, with some later passage lines having telomeres that were similar to or longer than the earliest-passage precrisis cells examined.

Production details: The HPV16 E6/E7 open reading frames were cloned into a murine-based retroviral vector, LXS_N, which contains the neomycin resistance gene. The constructs were transfected

into the packaging celline PA317, and recombinant retroviruses in the supernatant were collected. Early-passage cx cells were infected at a high titer with the different retroviral constructs, plated at various densities, selected in G418, and then passaged as pools or ring cloned. Eight ring clones were isolated for each gro...

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Used as an immortal adult human cervical keratinocyte line for pathogenesis and inflammation studies

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application: Used as an immortal adult human cervical keratinocyte line for pathogenesis and inflammation studies.

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: GIBCO keratinocyte serum-free media. G418 selection.

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions: Liquid Nitrogen

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Solowska et al. 2014. J Neurosci. 34(5):1856-67. PMID: 24478365. ; Pathogenic mutation of spastin has gain-of-function effects on microtubule dynamics.

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