

H157 Cell Line

Catalogue number: 153420

Tool type:

Contributor

Inventor: Stephen Prime

Institute: University of Bristol

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: H157 Cell Line

Alternate name:

Class:

Conjugate:

Description: Established from a squamous cell carcinoma (SCC) of the buccal mucosa (20mm-40mm) of a male patient, age 84. STNMP stage II, well differentiated, node positive tumour. Mutant p53, codon 306 exon 8, G to A; wild type K-, N- and Ha-ras. Non-tumourigenic in athymic nude mice by subcutaneous injection and on injection into the floor of the mouth (orthotopic), but form epidermoid cysts subcutaneously

Purpose:

Parental cell:

Organism:

Tissue: Buccal mucosa

Model: Tumour line

Gender:

Isotype:

Reactivity:

Selectivity:

Host:

Immunogen:

Immunogen UNIPROT ID:

Sequence:

Growth properties: Adherent

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Patient details

Cancer subtype:

Cancer stage/grade:

Biopsy site:

Patient ethnicity:

Treatment history:

Engraftment details

Mice passaged?:

Engraftment site:

Sample type:

Host strain:

Histology:

Genetic data:

Target details

Target: Human oral squamous cell carcinoma

Target alternate names:

Target background:

Molecular weight:

Ic50:

Applications

Application:

Application notes:

Handling

Format: Frozen

Concentration:

Passage number:

Growth medium: Split sub-confluent cultures (70-80%) 1:8 to 1:10 5% CO₂; 37°C. Suggested seeding density 5 x 10⁴ cells/cm². DMEM:HAMS F12 (1:1) + 2mM Glutamine + 10% Foetal Bovine Serum (FBS) + 0.5 ug/ml sodium hydrocortisone succinate.

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Dry ice

Related tools

Related tools:

References

References: Yeudall et al. 1995. Eur J Cancer B Oral Oncol. 31B(2):136-43. PMID: 7633286. ; Presence of human papillomavirus sequences in tumour-derived human oral keratinocytes expressing mutant p53. ; Prime et al. 1994. Int J Cancer. 56(3):406-12. PMID: 7508893. ; TGF-beta receptor regulation mediates the response to exogenous ligand but is independent of the degree of cellular differentiation in human oral keratinocytes. ; Prime et al. 1994. Br J Cancer. 69(1):8-15. PMID: 8286215. ; Epidermal growth factor and transforming growth factor alpha characteristics of human oral carcinoma cell lines. ; Yeudall et al. 1993. Eur J Cancer B Oral Oncol. 29B(1):63-7. PMID: 8180579. ; Ras gene point mutation is a rare event in premalignant tissues and malignant cells and tissues from oral mucosal lesions. ; Prime et al. 1990. J Pathol. 160(3):259-69. PMID: 1692339. ; The behaviour of human oral squamous cell carcinoma in cell culture.