

# UM-UC-11 (Human transitional cell carcinoma of the bladder) cell line

**Catalogue number:** 160441

**Sub-type:**

**Images:**

## Contributor

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**Institute:** University of Michigan

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** UM-UC-11 (Human transitional cell carcinoma of the bladder) cell line

**Alternate name:** UM-UC-11

**Class:**

**Conjugate:**

**Description:** UM-UC-11 are a human transitional cell carcinoma of the bladder. These cells were assessed for their susceptibility to adenoviral mediated gene delivery, tumor growth in nude mice and differences in genetic alterations. Tumorigenicity studies in nude mice revealed the UM-UC-11 do not produce tumors, even after extended observation. UM-UC-11 demonstrated efficient gene transduction via an adenoviral vector when compared to several of the other cells evaluated. UM-UC-11 also showed intermediate levels of Coxsackie adenovirus receptor (CAR) expression of the cells tested. These assays allowed for characterization of some of the most important features in each of the respective lines in an effort to more accurately establish commonly observed phenomena across cells of the same type of neoplasm. Tnao38 cells have been shown to exceed protein expression of both Sf9 and High Five cell lines (Hashimoto et al., 2010).

**Purpose:**

**Parental cell:**

**Organism:** Human

**Tissue:** Bladder

**Model:** Cancer Model

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**  
**Immunogen UNIPROT ID:**  
**Sequence:**  
**Growth properties:** Adherent  
**Production details:**  
**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:** Cells were grown in Dulbecco's modified Eagle's medium (DMEM) containing 10% heat inactivated Fetal Bovine Serum (FBS) and were supplemented with 1% penicillin and streptomycin at 37°C in 5% CO2 environment.  
**Temperature:**  
**Atmosphere:**  
**Volume:**  
**Storage medium:**  
**Storage buffer:**  
**Storage conditions:**  
**Shipping conditions:** Dry ice

## Related tools

**Related tools:** UM-UC-1 (Human bladder transitional cell carcinoma) cell line ; UM-UC-3 (Human bladder transitional cell carcinoma) cell line ; UM-UC-4 (Human adenocarcinoma lymph node metastasis) cell line ; UM-UC-5 (Human squamous cell carcinoma of the bladder) cell line ; UM-UC-7 (Human transitional cell carcinoma of the bladder) cell line ; UM-UC-9 (Human transitional cell carcinoma of the bladder) cell line ; UM-UC-10 (Human transitional cell carcinoma of the bladder) cell line ; UM-UC-13 (Human transit...

## References

**References:** Sabichi et al. 2006. J Urol. 175(3 Pt 1):1133-7. PMID: 16469639. ; Grossman et al. 1984. J Urol. 132(4):834-7. PMID: 6471236.

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