

# KHOS-312H | 300447

## General Information

<b>Description</b>	KHOS-312H is a human cell line derived from a patient with a specific genetic background. It is characterized by its high proliferation rate and sensitivity to mTOR inhibitors. The cell line is maintained in a defined medium and is suitable for various biological assays.
<b>Organism</b>	Human
<b>Tissue</b>	Epithelial
<b>Disease</b>	Epithelial cancer
<b>Synonyms</b>	KHOS-321H, KHOS312H, KHOS321H

## Characteristics

<b>Age</b>	13 years
<b>Gender</b>	Male
<b>Ethnicity</b>	European
<b>Morphology</b>	Epithelial cells, adherent
<b>Growth properties</b>	High proliferation rate, sensitive to mTOR inhibitors

## Identification and Safety

<b>Citation</b>	KHOS-312H (Cell Line)   300447
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_2545

## Additional Information



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**Thawing and  
Culturing Cells**

1. Thaw the vial quickly in a 37°C water bath. Do not vortex. Transfer the cells to a 15 mL centrifuge tube containing 10 mL of pre-warmed complete medium. Centrifuge at 300 x g for 3 minutes. Remove the supernatant and resuspend the cells in 10 mL of complete medium. Seed the cells into a 75 cm<sup>2</sup> flask containing 10 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.
2. Once the cells have reached confluence, passage them into a new 75 cm<sup>2</sup> flask. Seed the cells into a 75 cm<sup>2</sup> flask containing 10 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.
3. Once the cells have reached confluence, passage them into a new 75 cm<sup>2</sup> flask. Seed the cells into a 75 cm<sup>2</sup> flask containing 10 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.
4. Once the cells have reached confluence, passage them into a new 75 cm<sup>2</sup> flask. Seed the cells into a 75 cm<sup>2</sup> flask containing 10 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.
5. Once the cells have reached confluence, passage them into a new 75 cm<sup>2</sup> flask. Seed the cells into a 75 cm<sup>2</sup> flask containing 10 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.
6. Once the cells have reached confluence, passage them into a new 75 cm<sup>2</sup> flask. Seed the cells into a 75 cm<sup>2</sup> flask containing 10 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.
7. Once the cells have reached confluence, passage them into a new 75 cm<sup>2</sup> flask. Seed the cells into a 75 cm<sup>2</sup> flask containing 10 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.
8. Once the cells have reached confluence, passage them into a new 75 cm<sup>2</sup> flask. Seed the cells into a 75 cm<sup>2</sup> flask containing 10 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.

**Incubation  
Atmosphere**

37°C, 5% CO<sub>2</sub>

**Flask Coating**

None

**Freezing  
Procedure**

Seed cells into a 75 cm<sup>2</sup> flask containing 10 mL of complete medium. Incubate at 37°C in 5% CO<sub>2</sub>.

**Shipping  
Conditions**

Store at -150°C to -196°C in liquid nitrogen.

**Storage  
Conditions**

Store at -150°C to -196°C in liquid nitrogen.

**HLA**

**Sterility**

The cells are provided in a sterile, cryoprotected medium. The medium contains antibiotics (penicillin, streptomycin, and amphotericin B) to prevent contamination. The cells are tested for mycoplasma contamination using PCR.

**XXXXXXXX KHOS-312H | 300447**

**XXXXXXXX HLA**

**A\***: '02:11:01  
**B\***: '52:01:01  
**C\***: '12:02:02  
**DRB1\***: '15:02:01  '16:02:01  '16:02:01   
**DQA1\***: '01:02:02, '01:03:01  
**DQB1\***: '05:02:01, '05:03:01  
**DPB1\***: '02:01:02  
**E**: '01:01:01