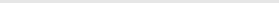


[illegible]

Organism

Tissue

Disease 

Metastatic site  ()

Applications

XXXXXXXXXXXX

Age 15 𐀀𐀁𐀂𐀃

Gender

Ethnicity 

Morphology

Cell type

Growth properties 

Citation U2OS-CRISPR-TPR-SNAP ([XXXXX XXXXXXXX](#) Cytion 300667)

Biosafety level	1
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Product sheet

U2OS-CRISPR-TPR-SNAP | 300667

NCBI_TaxID	9606
CellosaurusAccession	CVCL_U2OS (U2OS cells with CRISPR; U2OS CVCL_0042)
Depositor	EMBL
GMO Status	GMO-S1: U2OS-CRISPR-TPR-SNAP (U2OS-CRISPR-TPR-SNAP) TPR-SNAP CRISPR

U2OS-CRISPR-TPR-SNAP

Protein expression	TPR, SNAP-tag
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U2OS

Culture Medium	McCoy's 5a, w: 3.0 g/L, w: 2.0 mM, w: 2.2 g/L NaHCO ₃ (Cytion 820200a)
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Supplements	10% FBS, 3.0 g/L, 2.0 mM, 2.2 g/L NaHCO ₃ , 1% NEAA
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Dissociation Reagent	
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Doubling time	24-36 h
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Subculturing	U2OS cells are grown in McCoy's 5a medium supplemented with 10% FBS, 3.0 g/L, 2.0 mM, 2.2 g/L NaHCO ₃ , 1% NEAA. Cells are seeded in T25 flasks at a density of 1-3 x 10 ⁴ cells per flask. Cells are grown to confluence and then split into new flasks at a ratio of 1:3.
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Split ratio	1:3
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Seeding density	1-3 x 10 ⁴ cells per flask
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Fluid renewal	2-3 times per week
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Freeze medium	U2OS cells are grown in McCoy's 5a medium supplemented with 10% FBS, 3.0 g/L, 2.0 mM, 2.2 g/L NaHCO ₃ , 1% NEAA. Cells are seeded in T25 flasks at a density of 1-3 x 10 ⁴ cells per flask. Cells are grown to confluence and then split into new flasks at a ratio of 1:3.
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Thawing and
Culturing Cells

1. Remove the vial from liquid nitrogen storage, and immerse the vial in a water bath at 37°C for 1-2 minutes. Do not vortex the vial.
2. Add 1 mL of pre-warmed complete medium to the vial, and gently mix the cells by pipetting up and down. Transfer the cells to a 25 cm² flask.
3. Incubate the cells in a humidified CO₂ incubator at 37°C for 24 hours.
4. After 24 hours, check the cell density. If the cells are not confluent, add more medium to reach a final volume of 70%.
5. Once the cells are confluent, they can be used for experiments. The cells are typically grown in 15 mL of medium in a 25 cm² flask.
6. The cells are typically grown in 300 x g medium in a 3 mL vial. The cells are typically grown in 300 x g medium in a 3 mL vial.
7. The cells are typically grown in 10 mL of medium in a 25 cm² flask. The cells are typically grown in 10 mL of medium in a 25 cm² flask.
8. The cells are typically grown in 10 mL of medium in a 25 cm² flask. The cells are typically grown in 10 mL of medium in a 25 cm² flask.

Incubation
Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

Yes

Freezing
Procedure

Cells are typically frozen in 1 mL of freezing medium in a 1 mL vial. The cells are typically frozen in 1 mL of freezing medium in a 1 mL vial.

Shipping
Conditions

Cells are typically shipped in 1 mL of freezing medium in a 1 mL vial. The cells are typically shipped in 1 mL of freezing medium in a 1 mL vial.

Storage
Conditions

Cells are typically stored in 1 mL of freezing medium in a 1 mL vial. The cells are typically stored in 1 mL of freezing medium in a 1 mL vial.

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Sterility

Cells are typically grown in 1 mL of medium in a 1 mL vial. The cells are typically grown in 1 mL of medium in a 1 mL vial.