

U2OS-CRISPR-SNAPf-SEH1 | 300664

U2OS-CRISPR-SNAPf-SEH1

Description	U2OS-CRISPR-SNAPf-SEH1 is a cell line derived from U2OS cells, which are a human osteosarcoma cell line. The cells are stably transfected with a CRISPR-Cas9 system targeting the SEH1 gene. The resulting cell line is used for studying the function of SEH1 in various cellular processes. The cells are maintained in DMEM supplemented with 10% FBS. The cells are characterized by their morphology and growth properties. The cells are used for various applications, including gene editing, gene expression analysis, and cell-based assays.
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Organism	Human
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Tissue	U2OS
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Disease	U2OS
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Metastatic site	U2OS
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Applications	U2OS-CRISPR-SNAPf-SEH1 is used for studying the function of SEH1 in various cellular processes. The cells are used for various applications, including gene editing, gene expression analysis, and cell-based assays.
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Age	15 years
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Gender	Male
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Ethnicity	European
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Morphology	Epithelial
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Cell type	U2OS (Epithelial)
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Growth properties	U2OS
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Citation	U2OS-CRISPR-SNAPf-SEH1 (U2OS CRISPR SNAPf SEH1) Cytion 300664
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Biosafety level	1
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Product sheet

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NCBI_TaxID	9606
CellosaurusAccession	CVCL_0042 (U2OS CRISPR; U2OS CVCL_0042)
Depositor	EMBL
GMO Status	GMO-S1: (U2OS-CRISPR-SNAPf-SEH1) SNAPf-SEH1 CRISPR
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Protein expression	SEH1, SNAPf-tag
Culture Medium	McCoy's 5a, w: 3.0 g/L , w: 2.0 mM , w: 2.2 g/L NaHCO ₃ (Cytion 820200a)
Supplements	10% FBS, 3.0 /, , 2.0 " , 2.2 / NaHCO ₃ , 1% NEAA
Dissociation Reagent	
Doubling time	24 36
Subculturing	PBS T25, 3-5 " PBS, 3 3 . , , 3 3 .
Split ratio	1 3
Seeding density	1 3 × 10 ⁴ /"
Fluid renewal	2 3
Freeze medium	(FBS) + 10% DMSO , C

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Thawing and
Culturing Cells

1. 将细胞悬液缓慢加入含有培养基的细胞培养瓶中，轻轻混匀，将细胞培养瓶置于37°C CO₂培养箱中孵育24小时。
2. 将细胞培养瓶置于37°C CO₂培养箱中孵育24小时后，将细胞悬液离心，弃去上清液，用不含血清的培养基重悬细胞，将细胞培养瓶置于37°C CO₂培养箱中孵育24小时。
3. 将细胞培养瓶置于37°C CO₂培养箱中孵育24小时后，将细胞悬液离心，弃去上清液，用不含血清的培养基重悬细胞，将细胞培养瓶置于37°C CO₂培养箱中孵育24小时。
4. 将细胞培养瓶置于37°C CO₂培养箱中孵育24小时后，将细胞悬液离心，弃去上清液，用不含血清的培养基重悬细胞，将细胞培养瓶置于37°C CO₂培养箱中孵育24小时。
5. 将细胞培养瓶置于37°C CO₂培养箱中孵育24小时后，将细胞悬液离心，弃去上清液，用不含血清的培养基重悬细胞，将细胞培养瓶置于37°C CO₂培养箱中孵育24小时。
6. 将细胞培养瓶置于37°C CO₂培养箱中孵育24小时后，将细胞悬液离心，弃去上清液，用不含血清的培养基重悬细胞，将细胞培养瓶置于37°C CO₂培养箱中孵育24小时。
7. 将细胞培养瓶置于37°C CO₂培养箱中孵育24小时后，将细胞悬液离心，弃去上清液，用不含血清的培养基重悬细胞，将细胞培养瓶置于37°C CO₂培养箱中孵育24小时。
8. 将细胞培养瓶置于37°C CO₂培养箱中孵育24小时后，将细胞悬液离心，弃去上清液，用不含血清的培养基重悬细胞，将细胞培养瓶置于37°C CO₂培养箱中孵育24小时。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无需涂层

Freezing
Procedure

将细胞悬液离心，弃去上清液，用不含血清的培养基重悬细胞，将细胞培养瓶置于37°C CO₂培养箱中孵育24小时。

Shipping
Conditions

将细胞悬液离心，弃去上清液，用不含血清的培养基重悬细胞，将细胞培养瓶置于37°C CO₂培养箱中孵育24小时。

Storage
Conditions

将细胞悬液离心，弃去上清液，用不含血清的培养基重悬细胞，将细胞培养瓶置于37°C CO₂培养箱中孵育24小时。

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Sterility

将细胞悬液离心，弃去上清液，用不含血清的培养基重悬细胞，将细胞培养瓶置于37°C CO₂培养箱中孵育24小时。