

Product sheet

**SNU-81 | 305638**

**General Information**

<b>Description</b>	SNU-81 is a cell line derived from a human small cell lung carcinoma (SCLC) cell line. It is characterized by its high growth rate and ability to form xenografts in immunodeficient mice. SNU-81 cells are highly sensitive to platinum-based chemotherapy and radiation therapy. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS) and 1% penicillin-streptomycin. SNU-81 cells are highly tumorigenic and have been used in various preclinical studies to evaluate the efficacy of novel anticancer drugs and treatment strategies. The cell line is highly sensitive to TP53 inhibitors and has been used to study the role of TP53 in SCLC pathogenesis and drug resistance.
<b>Organism</b>	Human
<b>Tissue</b>	Lung
<b>Disease</b>	Small cell lung carcinoma
<b>Synonyms</b>	SNU81, NCI-SNU-81

**Characteristics**

<b>Age</b>	53 years
<b>Gender</b>	Male
<b>Ethnicity</b>	White
<b>Morphology</b>	Small cell carcinoma
<b>Cell type</b>	Small cell carcinoma
<b>Growth properties</b>	High growth rate, highly tumorigenic

**Additional Information**

<b>Citation</b>	SNU-81 (NCI-SNU-81)   305638
<b>Biosafety level</b>	1
<b>NCBI_TaxID</b>	9606
<b>CellosaurusAccession</b>	CVCL_5098

**XXXXXXXX SNU-81 | 305638**

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**Mutational profile** XXXXX APC XXXXX p.Ser1392Ter (c.4175C>A) XXXXXXX XXXXXXXXXXX XXXXX p.Ser1392Ter (c.4175C>A) XXXXXXX XXXXXXXXXXX APC XXXXX p.Arg1450Ter (c.4348C>T) XXXXXXX XXXXXXXXXXX APC XXXXX p.Arg2204Ter (c.6610C>T) XXXXXXX XXXXXXXXXXX XXXXX XXXXX FBXW7 XXXXX p.Ala146Thr (c.436G>A) XXXXXXX XXXXXXXXXXX XXXXX PTEN, Simple, p.Arg130Gln (c.389G>A) XXXXXXX XXXXXXXXXXX XXXXX PTEN, Simple, p.Glu299Ter (c.895G>T) XXXXXXX XXXXXXXXXXX XXXXX TBX3, Simple, p.Glu111Ter (c.331G>T) XXXXXXX XXXXXXXXXXX XXXXX TBX3, Simple, simple, c.942-1G>T, XXXXXXX XXXXXXXXXXX XXXXX TBX3, Simple, c.942-1G>T, XXXXXXX XXXXXXXXXXX TP53 XXXXX p.Lys132Thr (c.395A>C) XXXXXXX XXXXXXXXXXX TP53 XXXXX p.Arg213Ter (c.637C>T) XXXXXXX XXXXXXXXXXX

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**Culture Medium** RPMI 1640 XXX 2.0 XXXX XXXXX XXXXXXXXXXX XXXXXXX XXX 2.0 XXX/XXXX NaHCO3 (XXXX XXXXXXX 820700a XXX XXXXXXXXXXX)

**Supplements** XXX XXXXXXX XXXXXXX XXX 10% XXX XXX FBS

**Dissociation Reagent** XXXXXXX

**Doubling time** 30 XXXXX

**Subculturing** XXX XXXXXXX XXXXX XXXXXXX XXXXXXXXXXX XXXXXXX 0.25% XXXXXXX 0.02% XXXXXXX EDTA XXXXXXX XXXXX XXXXXXX XXX 37°C XXX 3 XXX 5 XXXXXXX

**Fluid renewal** 2 XXX 3 XXXXX XXX XXXXXXXXXXX

**Freeze medium** XXXXXXX XXXXXXX XXXXXXXXXXX XXXXXXX XXXX XXXX XXXXX (XXXX XXX XXX FBS) + 10% DMSO XXX XXXX XXXXXXXXXXX XXX XXXXXXX XXXXXXX XXXX XXXXXXX XXXXXXX

