

**Cell MKN-74 | 300490**

**General information**

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description     | Cell MKN-74 is a human gastric cancer cell line. It is derived from a 62-year-old female patient with gastric cancer. The cell line is characterized by its ability to form tumors in nude mice. It is a highly proliferative cell line with a doubling time of approximately 48 hours. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS). It is a highly proliferative cell line with a doubling time of approximately 48 hours. The cell line is maintained in RPMI 1640 medium supplemented with 10% fetal bovine serum (FBS). |
| Organism        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tissue          | Gastric cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Disease         | Gastric cancer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Metastatic site | Metastatic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Synonyms        | MKN74, MKN 74                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Cell characteristics**

|                   |          |
|-------------------|----------|
| Age               | 62 years |
| Gender            | Female   |
| Ethnicity         | Chinese  |
| Growth properties | Adherent |

**Cell culture conditions**

|                      |                                     |
|----------------------|-------------------------------------|
| Citation             | MKN-74 (Cell Culture) Cytion 300490 |
| NCBI_TaxID           | 9606                                |
| CellosaurusAccession | CVCL_2791                           |

**Cell culture media and supplements**

**References**

**HEK293T MKN-74 | 300490**

**Culture Medium**

RPMI 1640, w: 2.0 mM  $\text{CaCl}_2$  (Merk), w: 2.0 g/L  $\text{NaHCO}_3$  (Merk,  $\text{CaCO}_3$  Cytion 820700a)

**Supplements**

HEK293T 10% FBS

**Dissociation Reagent**

Trypsin

**Subculturing**

HEK293T cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS.

**Freeze medium**

HEK293T cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS.

**Thawing and Culturing Cells**

1. HEK293T cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS.
2. HEK293T cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS.
3. HEK293T cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS.
4. HEK293T cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS.
5. HEK293T cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS.
6. HEK293T cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS.
7. HEK293T cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS.
8. HEK293T cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS.

**Incubation Atmosphere**

37°C, 5%  $\text{CO}_2$ , humidified

**Flask Coating**

Not required

**Freezing Procedure**

HEK293T cells are grown in 25 cm<sup>2</sup> flasks in RPMI 1640 medium supplemented with 10% FBS. When cells reach 80-90% confluency, they are trypsinized and seeded into new flasks. The medium is replaced with fresh medium containing 10% FBS.

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**Shipping  
Conditions**

Shipping conditions: The product is shipped in a temperature-controlled container at  $-78^{\circ}\text{C}$ .

**Storage  
Conditions**

Storage conditions: Store at  $-150$  to  $-196^{\circ}\text{C}$  in a freezer.

**Handling**

**Sterility**

The product is sterile and suitable for PCR. It is not recommended to use the product for other applications. The product is not intended for use in clinical applications.