

HEK293 HAL-01 | 305140

HEK293 HEK293

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | HEK293 HAL-01 is a HEK293 cell line derived from HEK293 cells (ALL), which are a derivative of HEK293 cells. The cell line is maintained in DMEM supplemented with 10% FBS and 1% penicillin/streptomycin. The cell line is characterized by its high transfection efficiency and is used for the production of recombinant proteins. The cell line is maintained in DMEM supplemented with 10% FBS and 1% penicillin/streptomycin. The cell line is characterized by its high transfection efficiency and is used for the production of recombinant proteins. |
| Organism    | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Tissue      | HEK293 cells are derived from HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Synonyms    | HAL01, HAL-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

HEK293 HEK293

|                   |                                                                       |
|-------------------|-----------------------------------------------------------------------|
| Age               | 17 years                                                              |
| Gender            | Male                                                                  |
| Morphology        | HEK293 cells are characterized by their high transfection efficiency. |
| Growth properties | HEK293 cells are characterized by their high transfection efficiency. |

HEK293 HEK293

|                      |                               |
|----------------------|-------------------------------|
| Citation             | HAL-01 (HEK293) Cytion 305140 |
| Biosafety level      | 1                             |
| NCBI_TaxID           | 9606                          |
| CellosaurusAccession | CVCL_1242                     |

HEK293 HEK293

HEK293

|                |                                                                                             |
|----------------|---------------------------------------------------------------------------------------------|
| Culture Medium | RPMI 1640, w: 2.0 mM $\text{NaHCO}_3$ , w: 2.0 g/L $\text{NaHCO}_3$ (HEK293) Cytion 820700a |
|----------------|---------------------------------------------------------------------------------------------|

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**Supplements** 10% FBS

**Doubling time** 48 h

**Subculturing** 5

**Fluid renewal** 2-3 times

**Freeze medium** 10% FBS + 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells quickly in a water bath at 37°C. Transfer the cells to a pre-warmed medium.
  2. Seed cells into a pre-warmed medium.
  3. Incubate cells at 37°C in a humidified CO<sub>2</sub> incubator.
  4. Monitor cell growth and confluency.
  5. Subculture cells when they reach 70-80% confluency.
  6. Use a pipette to transfer cells to a new flask.
  7. Wash cells with PBS before adding new medium.
  8. Repeat the process for subsequent passages.

**Incubation Atmosphere** 37°C, 5% CO<sub>2</sub>, humidified

**Flask Coating** No

**Freezing Procedure** 78°C

**Shipping Conditions** 78°C

Product sheet

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Storage  
Conditions

Store at -150 °C to -196 °C. Do not freeze. Do not thaw. Do not use after expiration date.

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Sterility

The product is sterile and ready for use. PCR products are not sterile.

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