



# Human genomic DNA (HCC1395)

CRL-2324D™

## Description

High molecular weight genomic DNA isolated from the HCC1395 breast carcinoma cell line (ATCC CRL-2324).

**Organism:** *Homo sapiens*, human

**Derived from:** HCC1395 (ATCC CRL-2324)

**Type strain:** No

**Mass:** 10 µg

---

## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -20°C or colder

---

## Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

---

## BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local

or national agencies.

---

## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

---

## Quality Control Specifications

**Electrophoresis - RNA content:** No visible RNA detected in the agarose gel

**Electrophoresis - digestion:** Tested and verified for PCR amplification and restriction digestion.

---

## Notes

This cell line was initiated on December, 14, 1994 from a patient with a family history of cancer (patient's mother had breast cancer). The cell line took 14 months to establish. The tumor was classified as TNM stage I, grade 3, invasive ductal carcinoma with 0 out of 34 lymph node metastasis. The cells are poorly differentiated and vacuolated. The cells are negative for expression of Her2-neu but positive for expression of p53. HCC1395 is positive for the epithelial cell specific marker Epithelial Glycoprotein 2 (EGP2) and for cytokeratin 19. The cells are positive for expression of estrogen receptors (ER +) and negative for expression of progesterone receptors (PR -). The DNA from an EBV-transformed lymphoblastoid cell line (HCC1395BL) from the same patient is available as ATCC CRL-2325D.

The DNA is available with the following restrictions:

1. The CRL-2324 cell line was deposited at the ATCC by Dr. Adi F. Gazdar and is provided for research purposes only. Neither the cell line nor DNA products derived from it may be sold or used for commercial purposes. Nor can the cells

nor the DNA be distributed to third parties for purposes of sale, or producing for sale, cells or their products. The cells and DNA are provided as service to the research community. They are provided without warranty of merchantability or fitness for a particular purpose or any other warranty, expressed or implied.

2. Any proposed commercial use of the cells, DNA or their products must first be negotiated with the University of Texas Southwestern Medical Center at Dallas, 5323 Harry Hines Blvd., Dallas, Texas 75235. Telephone (214) 648-1888, Email TechnologyDevelopment@UTSouthwestern.edu, or Fax: (214) 951-0935.

Gazdar AF, et al. Characterization of paired tumor and non-tumor cell lines established from patients with breast cancer. Int. J. Cancer 78: 766-774, 1998.

PubMed: [9833771](#)

**Formulation:** 1X TE buffer (10 mM Tris-HCL, 1 mM EDTA, pH 8.0)

**Concentration:** See lot-specific information

**Lot Number:** See lot-specific information

**Cell line description:** See lot-specific information

---

## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Human genomic DNA (HCC1395) (ATCC CRL-2324D)

---

## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

---

## Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

---

## Disclaimers

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use. Any proposed commercial use is prohibited without a [license from ATCC](#).

While ATCC uses reasonable efforts to include accurate and up-to-date information on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate or complete and the customer bears the sole responsibility of confirming the accuracy and completeness of any such information.

This product is sent on the condition that the customer is responsible for and assumes all risk and responsibility in connection with the receipt, handling, storage, disposal, and use of the ATCC product including without limitation taking all appropriate safety and handling precautions to minimize health or environmental risk. As a condition of receiving the material, the customer agrees that any activity undertaken with the ATCC product and any progeny or modifications will be conducted in compliance with all applicable laws, regulations, and guidelines. This

product is provided 'AS IS' with no representations or warranties whatsoever except as expressly set forth herein and in no event shall ATCC, its parents, subsidiaries, directors, officers, agents, employees, assigns, successors, and affiliates be liable for indirect, special, incidental, or consequential damages of any kind in connection with or arising out of the customer's use of the product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.

Please see the material transfer agreement (MTA) for further details regarding the use of this product. The MTA is available at [www.atcc.org](http://www.atcc.org).

---

## Copyright and Trademark Information

© ATCC 2023. All rights reserved.

ATCC is a registered trademark of the American Type Culture Collection.

---

## Revision

This information on this document was last updated on 2024-10-25

---

## Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: [tech@atcc.org](mailto:tech@atcc.org) or contact your local distributor