



Product Sheet

## PTEN Genetic Alteration Cell Panel (ATCC® TCP-1030™)

Please read this FIRST

Storage Temp.  
**LN vapor (less than -130°C) only**

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Biosafety Level  
**1**

### Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: PTEN Genetic Alteration Cell Panel (ATCC® TCP-1030™)

American Type Culture Collection  
PO Box 1549  
Manassas, VA 20108 USA  
[www.atcc.org](http://www.atcc.org)

800.638.6597 or 703.365.2700  
Fax: 703.365.2750  
Email: [Tech@atcc.org](mailto:Tech@atcc.org)

Or contact your local distributor

### Description

PTEN is a tumor suppressor gene that encodes for a lipid phosphatase protein that down-regulates PI3K activity, which in turn affects the AKT signaling pathway and regulation of the cell cycle. Mutations in this gene are associated with a variety of cancers, including brain, skin and ovarian. The PTEN genetic alteration cell panel (ATCC TCP-1030) is composed of ten human tumor cell lines from common cancer types that carry PTEN mutations or PTEN deletions. The PTEN status of each cell line has been sequenced and validated by ATCC. This panel is useful for PTEN and PI3K pathway research and for anti-cancer drug discovery.

### Components

ATCC CRL-1718 CCF-STTG1  
ATCC HTB-111 AN3 CA  
ATCC HTB-31 C-33-A  
ATCC HTB-66 RPMI-7951  
ATCC HTB-148 H4  
ATCC HTB-12 SW 1088  
ATCC CRL-1585 C32  
ATCC CRL-1620 A172  
ATCC HTB-1 J82  
ATCC CRL-11730 TOV-21G

### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

### ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

### Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at [www.atcc.org](http://www.atcc.org)

Additional information on this culture is available on the ATCC web site at [www.atcc.org](http://www.atcc.org).  
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