ATCC

Product Sheet

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

Please read this FIRST

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

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™)

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

Propagation

See individual component product sheets.

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 If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.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.

This product is sent with the condition that you are responsible for its safe storage, handling, and use. ATCC is not liable for any damages or injuries arising from receipt and/or use of this product. While reasonable effort is made to insure authenticity and reliability of strains on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of cultures.

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

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Additional information on this culture is available on the ATCC web site at www.atcc.org.
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