ATCC

Product Sheet

BRAF Genetic Alteration Cell Panel (ATCC® TCP-1032™)

Please read this FIRST

Storage Temp.
liquid nitrogen vapor phase (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: BRAF Genetic Alteration Cell Panel (ATCC® TCP-1032™)

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

Description

BRAF gene is a proto-oncogene encoding the BRAF protein, a serine/threonine kinase of the RAF family that acts downstream of RAS and upstream of MEK in the MAPK/ERK signaling pathway. BRAF mediates cell division, proliferation, and differentiation in response to a host of stimuli. Mutations in BRAF lead to excessive cellular proliferation and enhanced survival, and often underlie birth defects, and cancers of the thyroid and skin. The BRAF gene is most frequently mutated at codon 600. BRAF V600E mutation has been found in more than 60% of melanomas, as well as 7-8% of other cancers. The BRAF Genetic Alteration Cell Panel (ATCC TCP-1032) is composed of nine selected human tumor cell lines from various common cancer types that carry BRAF hotspot mutations in codon 600. The BRAF mutation status of each cell line has been sequenced and validated by ATCC. This panel is useful for BRAF pathway research and BRAF inhibitors anti-cancer drug discovery.

Components

ATCC CCL-224 COLO 201
ATCC CCL-238 SW1417
ATCC CRL-11147 A2058
ATCC CRL-1676 WM-266-4
ATCC CRL-2577 RKO
ATCC CRL-7898 A101D
ATCC HTB-123 DU4475
ATCC HTB-137 Hs 695T
ATCC HTB-66 RPMI-7951

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

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