Description

Source: *Homo sapiens*

Designation: High molecular weight genomic DNA isolated from A-549 Lung Carcinoma cell line.

Note:

This item has been tested for KRAS mutation: Homozygous DNA Change: c.34G>A (correlates to protein sequence p.G12S). Store at -20°C or colder in a manual defrost freezer. Avoid freeze-thawing.

Batch-Specific Information

Refer to the Certificate of Analysis for batch-specific test results.

Quality Control Information


<table>
<thead>
<tr>
<th>Test</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total DNA amount</td>
<td>Average of three (3) vials tested:</td>
</tr>
<tr>
<td></td>
<td>≥ 5 μg/vial</td>
</tr>
<tr>
<td>Undiluted DNA concentration</td>
<td>Average of three (3) vials tested:</td>
</tr>
<tr>
<td></td>
<td>100 ng/μL (± 15%)</td>
</tr>
<tr>
<td>Purity (A260/A280)</td>
<td>Average of three (3) vials tested:</td>
</tr>
<tr>
<td></td>
<td>1.7 to 2.1</td>
</tr>
<tr>
<td>Electrophoresis - RNA content</td>
<td>No visible RNA</td>
</tr>
<tr>
<td>Electrophoresis - DNA molecular weight</td>
<td>Uncut DNA band is ≥48 kb or higher than the uppermost band of the high molecular weight DNA ladder</td>
</tr>
<tr>
<td>Electrophoresis - DNA digestion</td>
<td>DNA is digested by BamHI to a downward smear and is lower than the uncut DNA</td>
</tr>
</tbody>
</table>

Certificates of Analysis are available electronically at www.atcc.org, or by hardcopy upon request.

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

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Nucleic Acid Product Sheet
High molecular weight genomic DNA isolated from A-549 Lung Carcinoma cell line. (ATCC® CRM-CCL-185D™)

Please read this FIRST

Storage Temp.
-20°C or colder

Biosafety Level
1

Intended Use

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

Certified Reference Material produced under an ISO 17034 accredited process.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: High molecular weight genomic DNA isolated from A-549 Lung Carcinoma cell line. (ATCC® CRM-CCL-185D™)

Nucleic Acid Information

5 μg

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