

## Genomic DNA from tissue

### Description:

AMSBIO offers ready-to-use genomic DNAs from defined tissue types and custom isolation services. This genomic DNA is isolated from a wide variety of tissues using a proprietary modified guanidine thiocyanate technique. Contamination of RNA, polysaccharides and proteoglycans has been effectively eliminated. The DNA is dissolved in 1xTE (10 mM Tris pH 8.0, 1 mM EDTA) buffer.

**For Lot specific gDNA datasheets or to enquire about custom DNA isolation services please contact contact us [info@amsbio.com](mailto:info@amsbio.com)**

**Storage conditions:** Store at 2-8°C for short term and -20°C for long term. The product is stable in a year from the date of receipt when stored under the correct conditions.

### Application:

- SNP analysis, Southern Blotting, and PCR
- Genomic DNA methylation study
- Copy number variation (CNV) study
- Comparative genomic hybridization (CGH) study
- Genomic DNA library construction
- Profiling study in gene expression

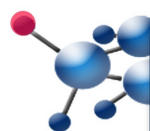
### Quality control:

1. The quality and purity of genomic DNA were tested by spectrophotometer and electrophoresis. A260/280 is between 1.8 and 2.0, A260/230 is >2.0. (detected in 10 mM Tris-Cl, pH 7.5)
2. Plant genomic DNA concentration is determined by pico green measurement while other genomic DNA concentration is determined by UV260 measurement.
3. RNase treatment to ensure the RNA contamination is eliminated.
4. Hind III digestion test: genomic DNA was successfully digested by Hind III.
5. b-Actin expression was tested by PCR amplification for Genomic DNA or PCR ready genomic DNA.
6. GAPDH expression was tested by Real Time PCR for 96 well tumour genomic DNA plate.

**Shipping conditions:** Shipped in blue ice.

**Intended use of the products:** All products sold by AMSBIO are intended for research use only and must not be used for medical diagnostic or drug purposes. AMSBIO products may not resell, modified for resale or used to manufacture commercial products without written approval from AMSBIO.

**Limited product warranty:** AMSBIO has a total quality assurance policy. If any product does not meet the specification stated in the product data sheet will be replaced at no charge. This warranty limits AMSBIO liability to the replacement of the product only. No other warranties of any kind, express or implied, including without limitation, implied warranties of merchantability or fitness for a particular purpose, are provided by AMSBIO. AMSBIO shall not be liable for any incidental, direct, special or consequential damages, even if it is aware of the possibility of such damages.



#### UK & Rest of World

184 Milton Park, Abingdon  
OX14 4SE, Oxon, UK  
Tel: +44 (0) 1235 828 200  
Fax: +44 (0) 1235 820 482

#### Switzerland

Centro Nord-Sud 2E  
CH-6934 Bioggio-Lugano  
Tel: +41 (0) 91 604 55 22  
Fax: +41 (0) 91 605 17 85

#### Deutschland

Bockenheimer Landstr. 17/19  
60325 Frankfurt/Main  
Tel: +49 (0) 69 779099  
Fax: +49 (0) 69 13376880

#### North America

23591 El Toro Rd, Suite #180  
Lake Forest, CA 92630  
Tel: +1 800 987 0985  
Fax: +1 949 265 7703

amsbio

[info@amsbio.com](mailto:info@amsbio.com)
[www.amsbio.com](http://www.amsbio.com)  
AMS Biotechnology