



Human genomic DNA (C13589)

CRL-2704D™

Description

High molecular weight genomic DNA isolated from the C13589 human lymphoblast cell line transformed with EBV.

Organism: *Homo sapiens*, human

Derived from: C13589 (ATCC CRL-2704)

Type strain: No

Mass: 10 µg

Storage Conditions

Product format: Frozen

Storage conditions: -20°C or colder

Intended Use

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

BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local

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or national agencies.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Quality Control Specifications

Electrophoresis - RNA content: No visible RNA detected in the agarose gel

Electrophoresis - digestion: Tested and verified for PCR amplification and restriction digestion.

Notes

C13589 is a B lymphocyte cell line established in March of 2001 by transformation of mononuclear cells taken from a fragile-X premutation female with 31 and 59 CGG-triplet repeats in the fragile-X gene, FMR1. This allele size is the smallest undergoing expansion to a full mutation (greater than 200 repeats) in one generation. This expansion to a full mutation with greater than 200 repeats occurs only on transmission through females. Fragile X is a common cause of inherited mental retardation and is caused by an expansion of a CGG repeat within the gene. This cell line can be used a standard for sizing.

Formulation: 1X TE buffer (10 mM Tris-HCL, 1 mM EDTA, pH 8.0)

Concentration: See lot-specific information

Lot Number: See lot-specific information

Cell line description: See lot-specific information

Material Citation

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If use of this material results in a scientific publication, please cite the material in the following manner: Human genomic DNA (C13589) (ATCC CRL-2704D)

References

References and other information relating to this material are available at www.atcc.org.

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