



# CA46 Purified Genomic DNA, Quantitative (TP53 Mutant), 3 µg

CRL-1648DQ™

## Description

Quantified for oncology biomarker TP53 R248Q via NGS and ddPCR

**Organism:** *Homo sapiens*, human

**Derived from:** CA46 (ATCC CRL-1648)

**Concentration:** 100 ng/µL

**Mass:** 3 µg

**Shipping information:** Stored in 1X TE buffer

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## Storage Conditions

**Product format:** Frozen

**Storage conditions:** -20°C or colder

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## 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.

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## BSL 1

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

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Product Sheet

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and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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## Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## Quality Control Specifications

**Electrophoresis - molecular weight:**  $\geq 48$  kb (or higher than uppermost band of the high MW DNA ladder)

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

**Total amount:** Total DNA by PicoGreen<sup>®</sup> measurement was found to be  $\geq 3$  µg

**STR profile:** Identical STR profile to cell line source

**Mutation allelic frequency:** Report results: NGS (Coverage  $> 10,000X$ )\*

**Absolute/relative gene copies/ng DNA:** Report results: ddPCR<sup>™</sup> (Average of nine data points)\*

**Electrophoresis - digestion:** Verified by restriction enzyme digestion.

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: CA46 Purified Genomic DNA, Quantitative (TP53 Mutant), 3 µg (ATCC CRL-1648DQ)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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### Warranty

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## CRL-1648DQ

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