



# pCR1000DQB1\*0607

## 79009™

Product Sheet

### Description

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

**Clone type:** Clone

**Shipping information:** Rehydrate with TE

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### Storage Conditions

**Product format:** Freeze-dried

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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 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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## Insert Information

**Insert size (kb):** 0.27000000000000002

**Type of DNA:** genomic

**Insert source:** peripheral blood leukocytes

**Insert tissue:** peripheral blood leukocytes

**Insert information:**

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

Cross references: DNA Seq. Acc.: M87041

**Genome:** Homo sapiens

**Chromosome:** 6

6 p21.3

**Gene name:** major histocompatibility complex, class II, DQ beta 1

**Gene product:** major histocompatibility complex, class II, DQ beta 1(major histocompatibility complex, class II, lymphocyte antigen DQB) [HLA-DQB]

**Gene symbol:** HLA-DQB1; HLA-DQB

**Contains complete coding sequence:** Unknown

**Insert end:** Modification: A overhangs

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## Vector Information

**Construct size (kb):** 3.269999980926514

**Intact vector size:** 3.000

**Vector name:** pCR1000

**Type of vector:** plasmid

**Host range:** *Escherichia coli*

**Vector end:** T overhangs

**Insert detection:** lacZ'

**Markers:** kanR

**Polylinker sites:** Apal; KpnI; SacI; SpeI; PaeI; HindIII; XmaI; ins; site; NotI; EcoRI

**Promoters:** lac; T7

**Replicon:** colE1

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## Notes

Restriction digests of the clone give the following sizes (kb): BglI--2.9, 0.38; SmaI--2.8, 0.4, 0.2; BamHI--uncut; EcoRI/HindIII--3.0, 0.32; HindIII--3.3.

- ATCC staff

The insert contains the following restriction sites (bp from the 5' end):

BglI--129; SmaI--188.

- Tissue Antigens 40: 49-52, 1992

Encodes the \*0607 or the \*06BRI1 allele, which differs from DQB1\*0603 by a substitution at codon 57 [GTT (valine) replacing GAT (aspartic acid)].

- Tissue Antigens 40: 49-52, 1992

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pCR1000DQB1\*0607 (ATCC 79009)

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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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