



pCR1000DQB1*0607

79008™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* HB101 (ATCC 33694)

Storage Conditions

Product format: Freeze-dried

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 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.

Certificate of Analysis

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

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

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

Growth Conditions

Medium:

ATCC Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin

Temperature: 37°C

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

More information may be available from ATCC (<http://www.atcc.org> or 703-365-2620).

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pCR1000DQB1*0607 (ATCC 79008)

References

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

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