



# DR-beta-A [E. coli HB101(pBR322(Pst)/HLA- DR-beta-A)]

39164™

## Description

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

**Clone type:** Clone

**Host:** *Escherichia coli* HB101 (ATCC 33694)

**Patent depository:** This material was deposited with the ATCC Patent Depository to fulfill U.S. or international patent requirements. This material may not have been produced or characterized by ATCC. As an International Depository Authority (IDA) for patent deposits, ATCC is required to complete viability testing only at time of initial deposit of patent material. Patent deposits are made available on behalf of the Depositor when the pertinent U.S. or international patent is issued, but material may not be used to infringe the patent claims.

**Patent number:**

5,169,941

**Technical information:** ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

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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):** 1.1619999999999999

**Type of DNA:** cDNA

**Insert source:** cell line IBW9 (beta lymphoblasts)

**Insert tissue:** cell line IBW9 (beta lymphoblasts)

**Insert information:**

(GB:A06800)

Cross references: DNA Seq. Acc.: A06800

Nucleotides 1-1162 of the insert correspond to nucleotides 1-1162 of A06800.

**Genome:** human

**Chromosome:** 6

6 p21.3

**Gene name:** major histocompatibility complex, class II, DR beta

**Gene product:** major histocompatibility complex, class II, DR beta (GB:A06800) [HLA-DRB\*]

**Gene symbol:** HLA-DRB\*

**Contains complete coding sequence:** Yes

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Insert end: Modification: dC tailed

## Vector Information

**Construct size (kb):** 5.525000095367432**Intact vector size:** 4.363**Vector name:** pBR322**Type of vector:** plasmid**Construction:** pBR313**Host range:** *Escherichia coli***Vector end:** PstI Modification: dG tailed**Vector information:**

Cross references: DNA Seq. Acc.: J01749

**Cloning sites:** EcoRI; ClaI; HindIII; EcoRV; BamHI; SphI; SalI; XmaIII; NruI; BspMI; BsmI; StyI; Aval; Ball; BspMII; PvuII; Tth111I; NdeI; AflIII; PpaI; PstI; PvuI; Scal; SspI; AatII**Markers:** ampR; tetR**Replicon:** pMB1

## Growth Conditions

**Medium:**

ATCC Medium 1273: LB medium (ATCC medium 1065) with 20 mcg/ml tetracycline

**Temperature:** 37°C

## Notes

Restriction digests of the clone give the following sizes (kb): PstI--4.4, 0.5 and smaller fragments; SstI--5.6; StuI--5.6.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): SacI--0.10; Scal--0.30; PstI--0.36, 0.49, 0.97; XmnI--0.61; HindIII--0.89.

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- GenBank/EMBL/DDBJ

.patent

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### Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: DR-beta-A [E. coli HB101(pBR322(Pst)/HLA-DR-beta-A)] (ATCC 39164)

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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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## Revision

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