



hARa [CL7a-AR 160-910]

80005™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Shipping information: Rehydrate with TE

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): 2.7999999999999998

Type of DNA: cDNA

Insert source: testis

Insert tissue: testis

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique
(feminization)

Cross references: DNA Seq. Acc.: M34233

Genome: Homo sapiens

Chromosome: X

X q11.2-q12

Target gene: androgen receptor (dihydrotestosterone receptor; testicular feminization)

Gene name: androgen receptor (dihydrotestosterone receptor; testicular feminization)

Gene product: androgen receptor (dihydrotestosterone receptor; testicular feminization) [AR]

Gene symbol: AR; DHTR

Contains complete coding sequence: No

Insert end: Modification: BamHI linkers

Vector Information

Construct size (kb): 8.5

Intact vector size: 5.700

Vector name: pKCR-2

Type of vector: plasmid

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Host range: vertebrate cells

Vector end: BamHI

Cloning sites: BamHI; EcoRI

Markers: ampR

Promoters: SV40

Replicon: pMB1

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--6.0, 2.7; HindIII--8.7; KpnI--7.3, 1.35; EcoRI--4.9, 2.0, 0.64 (doublet), 0.5; PstI--4.4, 1.8, 1.7, 0.54.

- ATCC staff

Encodes aa 160-910, including the DNA-binding domain and the hormone-binding domain. Also encodes 16 Gly between aa 447 and 464.

- Mol. Endocrinol. 4: 417-427, 1990

Digestion with EcoRI yields two fragments of 2.0 and 0.5 kb.

- Mol. Endocrinol. 4: 417-427, 1990

The insert contains the following restriction sites (approximate kb from the 5' end): BglI--0.2, 0.4, 0.7, 0.75; EcoRI--1.9; HindIII--1.2; KpnI--1.0; NcoI--0.3, 1.75; PstI--0.5; PvuI--2.0; PvuII--0.05, 0.6; SacI--0.5, 1.2.

- Mol. Endocrinol. 4: 417-427, 1990

Cross hybridizes with a 6.8 kb rat liver mRNA.

- Nucleic Acids Res. 13: 8293-8304, 1985

pKCR-2 is an expression vector containing SV40 early and late promoters and beta-globin splicing and polyadenylation signals.

- Nucleic Acids Res. 11: 7119-7136, 1983

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: hARa [CL7a-AR 160-910] (ATCC 80005)

References

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

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