Y-223a

61170™

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): 0.75
Type of DNA: genomic
Insert source: 49,XXXXY cell line
Insert tissue: 49,XXXXY cell line
Insert information:
Genomic copy number: repetitive
Genome: *Homo sapiens*
Chromosome: Y
Y p
Gene name: DNA Segment, repetitive
Gene symbol: DYZ5
Contains complete coding sequence: Unknown
Insert end: HindIII

Vector Information

Construct size (kb): 5.20
Intact vector size: 4.363
Vector name: pBR322
Type of vector: plasmid
Construction: pBR313
Vector end: HindIII
Vector information: Cross references: DNA Seq. Acc.: J01749
Cloning sites: EcoRI; ClaI; HindIII; EcoRV; BamHI; SphI; SalI; XmaIII; NruI; BspMI; BsmI; StyI; AvaI; BalI; BspMII; PvuII; Tth111I; NdeI; AflIII; PpaI; PstI; PvuI; ScaI; SspI; AatII
Markers: ampR; tetR
Replicon: pMB1

Growth Conditions

Medium:
ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--5.2; HindIII--4.4, 0.76; NotI--uncut; EcoRI--5.2; PstI--5.2.
- ATCC staff

Y-223a maps closer to the centromere than Y-280.
- Development 101: 51-58, 1987 (supplement)

Y-223a hybridizes to DNA in 9/16 46,XX males and a female with a dicentric Y chromosome.
- Development 101: 51-58, 1987 (supplement)

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Y-223a (ATCC 61170)

References

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

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