c08H4

79020™

Description

Detects:

Genome: Homo sapiens

Gene symbol: D17S122

Type of nucleic acid: genomic

Restriction enzyme: TaqI

Number of alleles: 2

Type of polymorphism: site

Maximum heterozygosity (%): 50

Alleles:

Allele Freq. Size (kb) Strains

A1 2.25

A2 -1.00 2.15

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli*

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): 29
Type of DNA: genomic
Insert information:
Genomic copy number: unique
Genome: Homo sapiens
Chromosome: 17
17 p12-p11.2
Gene name: DNA Segment, single copy
Gene product: DNA Segment, single copy [D17S122]
Gene symbol: D17S122
Alleles: A1, A1, A2, A3, B1, A2, B2
Contains complete coding sequence: Unknown

Vector Information

Construct size (kb): 36.0

Intact vector size: 7.600
Vector name: SuperCos 1
Type of vector: cosmid
Host range: vertebrate cells
Vector end: BamHI
Cloning sites: BamHI
Markers: neoR; G418R; ampR
Polylinker sites: EcoRI; NotI; BamHI; NotI; EcoRI
Promoters: T7; T3
Replicon: pMB1; SV40

Growth Conditions

Medium:
ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
Temperature: 30°C

Notes

Restriction digests of the clone give the following sizes (kb): EcoRI--9.4, 7.6, 7.5, 4.4, 2.6, 1.55, 1.45 (doublet); NotI--9.4 (doublet), 7.6, 1.45; BamHI--11.5, 8.0, 6.6, 5.2, 3.5; EcoRI/BamHI--7.6, 7.5, 5.4, 3.0, 2.7, 2.15, 1.6, 1.45 (doublet); SacII--uncut. IMPORTANT: To prevent amplification of a rearranged and/or deleted cosmid, we recommend streaking on LB + amp plates at 30C and picking small colonies for liquid culture.
- ATCC staff

The 7.5 kb EcoRI fragment of the insert has been used to detect the TaqI RFLP at D17S122 and the dosage difference indicative of the duplication mutation associated with Charcot-Marie-Tooth disease (CMT1A).
- personal communication

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: c08H4 (ATCC 79020)

References

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

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