pBH53

79110™

Description

Detects:

Genome: Homo sapiens

Gene symbol: TP53

Type of nucleic acid: genomic

Restriction enzyme: BamHI

Number of alleles: 2

Type of polymorphism: site

Maximum heterozygosity (%): 49

Alleles:

Allele Freq. Size (kb) Strains

A1 0.44 4.1

A2 0.56 2.1, 2.0

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* DH5alphaF'

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): 4.0999999999999996
Type of DNA: genomic
Insert information:
Genomic copy number: unique
Genome: Homo sapiens
Chromosome: 17
17 p13.1
Gene name: tumor protein p53 (Li-Fraumeni syndrome)
Gene product: tumor protein p53 (Li-Fraumeni syndrome)(tumor protein p53 (Li-Fraumeni syndrome), p53 cellular tumor antigen) [TP53]
Gene symbol: TP53
Alleles: D2, C2, C1, A1, A1, B2, B1, D1, A2, A2
Contains complete coding sequence: Unknown
Insert end: BamHI

Vector Information

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Construct size (kb): 6.800000190734863
Intact vector size: 2.686
Vector name: pUC18
Type of vector: plasmid
Construction: pUC71K
Host range: *Escherichia coli*
Vector end: BamHI
Vector information:
Cross references: DNA Seq. Acc.: L08752
Cloning sites: HindIII; SphI; PstI; SalI; AccI; HincII; XbaI; BamHI; SmaI; KpnI; SacI; EcoRI
Insert detection: lacZ', <-
Markers: ampR
MCS: HindIII...EcoRI, ->
Polylinker sites: HindIII; SphI; PstI; SalI; AccI; HincII; XbaI; BamHI; SmaI; KpnI; SacI; EcoRI
Promoters: lac
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--4.1, 2.7; BglI--3.9, 1.1, 0.9, 0.8; EcoRI--6.8; AvaI--3.9, 2.3, 0.5; KpnI--6.8. Not recommended for detection of p53 transcripts.
- ATCC staff

Subcloned from a cosmid isolated by hybridization with a cDNA for p53.
- Nucleic Acids Res. 17: 8898, 1989

The probe was pre-associated with total human DNA. Otherwise, RFLPs were

observed under normal hybridization and wash stringencies.
- Nucleic Acids Res. 17: 8898, 1989

Enzymes(s) not detecting polymorphism: BglII, EcoRI, HindIII, MspI, PstI, PvuII, RsaI, TaqI.
- Nucleic Acids Res. 17: 8898, 1989

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: pBH53 (ATCC 79110)

References

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

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