



pBH53

79111™

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

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): 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

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; Accl; HincII; XbaI; BamHI; SmaI; KpnI; SacI; EcoRI

Insert detection: lacZ', <-

Markers: ampR

MCS: HindIII...EcoRI, ->

Polylinker sites: HindIII; SphI; PstI; SalI; Accl; HincII; XbaI; BamHI; SmaI; KpnI; SacI; EcoRI

Promoters: lac

Replicon: pMB1, <-

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; Aval--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, Pvull, RsaI, TaqI.

- Nucleic Acids Res. 17: 8898, 1989

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pBH53 (ATCC 79111)

References

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

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