pN0.9

95678™

Description

Detects:

Genome: Homo sapiens

Gene symbol: SNRPN

Type of nucleic acid: genomic

Restriction enzyme: XbaI/NotI

Number of alleles: 2

Type of polymorphism: site

Alleles:

Allele Freq. Size (kb) Strains

4.2 XbaI fragment with 3 internal methylated NotI sites

0.9 NotI subfragment resulting from absence of methylation at 3 NotI sites

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): 0.90000000000000002
Type of DNA: genomic
Insert information:
DESCRIPTION OF INSERT COMPONENT:
Cross references: DNA Seq. Acc.: L32702
Nucleotides 1-196 of the insert correspond to
nucleotides 216-411 of L32702.
Genome: Homo sapiens
Chromosome: 15
15 q11-q12
Target gene: Prader-Willi syndrome chromosome region, small nuclear ribonucleoprotein polypeptide N
Gene name: small nuclear ribonucleoprotein polypeptide N
Gene product: small nuclear ribonucleoprotein polypeptide N(small nuclear ribonucleoprotein SM-D, small nuclear ribonucleoprotein polypeptide Sm-D) [SNRPN]
Gene symbol: SNRPN
Contains complete coding sequence: No

Insert end: NotI

Vector Information

Construct size (kb): 3.900000095367432
Intact vector size: 2.961
Vector name: pBluescript II SK-
Type of vector: phagemid
Host range: *Escherichia coli*
Vector end: NotI
Cloning sites: BssHII; KpnI; ApaI; DraII; XhoI; HincII; AccI; SalI; ClaI; HindIII; EcoRI; PstI; SmaI; BamHI; XbaI; NotI; EagI; SacI
Insert detection: lacZ'
Markers: ampR
Polylinker sites: BssHII; KpnI; ApaI; DraII; XhoI; HincII; AccI; SalI; ClaI; HindIII; EcoRI; PstI; SmaI; BamHI; XbaI; NotI; EagI; SacI
Replicon: pMB1; f1

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--4.0; EcoRI--3.6, 0.33; NotI--2.9, 0.88; PvuII--2.6, 1.0 0.33; XhoI--4.0.
- ATCC staff

Insert contains a deletion breakpoint found in some cases of familial Prader-Willi syndrome (PWS).
- Nat. Genet. 8: 52-58, 1994

The insert contains most of exon alpha (nt 1-66), also corresponding to nt 10-75 of GenBank accession J04615, and a portion of the following intron.
- Nat. Genet. 8: 52-58, 1994

The 0.9 kb NotI fragment is derived from a 4.2 kb XbaI genomic DNA fragment which shows differential methylation at several rare restriction sites in normal maternal and paternal chromosomes.
- Nat. Genet. 8: 52-58, 1994

Insert can be used to probe genomic DNA digested with NotI/XbaI to detect abnormalities diagnostic for Prader-Willi syndrome and Angelman syndrome (AS).
- Nat. Genet. 8: 52-58, 1994

The probe detects a 4.2 kb fragment for normal maternal chromosomes, consistent with methylation of three NotI sites. An 0.9 kb fragment is detected for normal paternal chromosomes, consistent with the absence of methylation at these NotI sites.
- Nat. Genet. 8: 52-58, 1994

Normal individuals will show fragments of both sizes. Absence of the 0.9 kb band is indicative of PWS. Absence of the 4.2 kb band is indicative of AS.
- Nat. Genet. 8: 52-58, 1994

Insert contains the following restriction sites (approximate kb from the 5' end): EcoRI--0.17, 0.63; PuvII--0.07.
- Nat. Genet. 8: 52-58, 1994

Material Citation

If use of this material results in a scientific publication, please cite the material in the

following manner: pN0.9 (ATCC 95678)

References

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

Warranty

The product is provided 'AS IS' and the viability of ATCC® products is warranted for 30 days from the date of shipment, provided that the customer has stored and handled the product according to the information included on the product information sheet, website, and Certificate of Analysis. For living cultures, ATCC lists the media formulation and reagents that have been found to be effective for the product. While other unspecified media and reagents may also produce satisfactory results, a change in the ATCC and/or depositor-recommended protocols may affect the recovery, growth, and/or function of the product. If an alternative medium formulation or reagent is used, the ATCC warranty for viability is no longer valid. Except as expressly set forth herein, no other warranties of any kind are provided, express or implied, including, but not limited to, any implied warranties of merchantability, fitness for a particular purpose, manufacture according to cGMP standards, typicality, safety, accuracy, and/or noninfringement.

Disclaimers

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. Any proposed commercial use is prohibited without a license from ATCC.

While ATCC uses reasonable efforts to include accurate and up-to-date information

on this product sheet, ATCC makes no warranties or representations as to its accuracy. Citations from scientific literature and patents are provided for informational purposes only. ATCC does not warrant that such information has been confirmed to be accurate or complete and the customer bears the sole responsibility of confirming the accuracy and completeness of any such information.

This product is sent on the condition that the customer is responsible for and assumes all risk and responsibility in connection with the receipt, handling, storage, disposal, and use of the ATCC product including without limitation taking all appropriate safety and handling precautions to minimize health or environmental risk. As a condition of receiving the material, the customer agrees that any activity undertaken with the ATCC product and any progeny or modifications will be conducted in compliance with all applicable laws, regulations, and guidelines. This product is provided 'AS IS' with no representations or warranties whatsoever except as expressly set forth herein and in no event shall ATCC, its parents, subsidiaries, directors, officers, agents, employees, assigns, successors, and affiliates be liable for indirect, special, incidental, or consequential damages of any kind in connection with or arising out of the customer's use of the product. While reasonable effort is made to ensure authenticity and reliability of materials on deposit, ATCC is not liable for damages arising from the misidentification or misrepresentation of such materials.

Please see the material transfer agreement (MTA) for further details regarding the use of this product. The MTA is available at www.atcc.org.

Copyright and Trademark Information

Revision

This information on this document was last updated on 2024-10-25

Contact Information

pN0.9
95678

ATCC
10801 University Boulevard
Manassas, VA 20110-2209
USA
US telephone: 800-638-6597
Worldwide telephone: +1-703-365-2700
Email: tech@atcc.org or contact your local distributor