pRat alpha 1

87408™

Description

Detects:

Genome: rat

Tissue: kidney, brain, heart, adipose, muscle, stomach, lung and liver

Gene symbol: ATP1A1

Type of nucleic acid: mRNA

Invariant bands (kb): 3.7

Organism: *Rattus norvegicus*, rat

Clone type: Clone

Host: *Escherichia coli* DH5alpha

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): 0.33200000000000002
Type of DNA: cDNA
Insert source: brain
Insert strain: CD
Insert tissue: brain
Insert information:
DESCRIPTION OF INSERT COMPONENT:
Insert 5' end: NarI
Insert 3' end: StuI
Cross references: DNA Seq. Acc.: M14511
Nucleotides 1-332 of the insert correspond to
nucleotides 89-421 of M14511.
Genome: rat
Gene name: ATPase, Na+/K+ transporting, alpha 1 polypeptide
Gene product: ATPase, Na+/K+ transporting, alpha 1 polypeptide [ATP1A1]
Gene symbol: ATP1A1
Contains complete coding sequence: No

Vector Information

Construct size (kb): 3.118000030517578

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Intact vector size: 2.686
Vector name: pUC18
Type of vector: plasmid
Construction: pUC71K
Host range: *Escherichia coli*
Vector end: SmaI
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): EcoRI/PstI--2.7, 0.35; BglI--1.9, 1.2; PvuII--2.3, 0.3 (doublet).
- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): ApaI--0.13; NcoI--0.15; PvuII--0.19.
- GenBank/EMBL/DDBJ

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pRat alpha 1 (ATCC 87408)

References

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

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