

🜵 pRat alpha 1 87408TM

Description

Detects:

Genome: rat

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

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.

BSL₁

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



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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): 0.332000000000000002

Type of DNA: cDNA
Insert source: brain
Insert strain: CD
Insert tissue: brain
Insert information:

DESCRIPTION OF INSERT COMPONENT:

Insert 5' end: Narl Insert 3' end: Stul

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: Smal **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', <-</pre>

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; BgII--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): Apal--0.13; Ncol--0.15; Pvull--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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