



pRat alpha 3

87407™

Description

Detects:

Genome: rat

Tissue: brain, stomach, lung

Gene symbol: ATP1A3

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): 0.27800000000000002

Type of DNA: cDNA

Insert source: brain

Insert strain: CD

Insert tissue: brain

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Insert 5' end: PstI

Insert 3' end: SmaI

Cross references: DNA Seq. Acc.: M14513

Nucleotides 1-278 of the insert correspond to nucleotides 53-331 of M14513.

Genome: rat

Gene name: ATPase, Na⁺/K⁺ transporting, alpha 3 polypeptide

Gene product: ATPase, Na⁺/K⁺ transporting, alpha 3 polypeptide [ATP1A3]

Gene symbol: ATP1A3

Contains complete coding sequence: No

Vector Information

Construct size (kb): 3.200000047683716

Intact vector size: 3.010

Vector name: pSP65

Type of vector: plasmid

Host range: *Escherichia coli*

Vector end: PstI; SmaI

Cloning sites: HindIII; PstI; Sall; Accl; HincII; XbaI; BamHI; Aval; SmaI; SacI; EcoRI

Enhancer: none

Markers: ampR

Polylinker sites: HindIII; PstI; Sall; Accl; HincII; XbaI; BamHI; Aval; SmaI; SacI; EcoRI

Promoters: SP6

Replicon: pMB1

Terminator: none

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): PstI/SmaI--3.0, 0.3; BglI--3.3; PvuII--3.3.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): SacI--0.12.

- 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 3 (ATCC 87407)

References

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

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Revision

This information on this document was last updated on 2025-09-13

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