



pAQP1 [UTR-01749, WI-9113, pCHIP]

95674™

Description

Detects:

Genome: *Homo sapiens*

Tissue: bone marrow

Gene symbol: AQP1

Type of nucleic acid: mRNA

Invariant bands (kb): 3.1

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): 2.7999999999999998

Type of DNA: cDNA

Insert source: bone marrow

Insert tissue: Bone marrow

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Cross references: DNA Seq. Acc.: M77829

Nucleotides 1-1283 of the insert correspond to nucleotides 53-1335 of M77829.

Genome: Homo sapiens

Chromosome: 7

7 p14; 7, 84.8799999 cR

Gene name: aquaporin 1 (channel-forming integral protein, 28 kD)

Gene product: aquaporin 1 (channel-forming integral protein, 28 kD) [AQP1]

Gene symbol: AQP1; CHIP28

Contains complete coding sequence: No

Insert end: Modification: EcoRI linker

Vector Information

Construct size (kb): 5.760000228881836

pAQPI [UTR-01749, WI-9113, pCHIP]

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Product Sheet

Intact vector size: 2.961

Vector name: pBluescript II KS-

Type of vector: phagemid

Host range: *Escherichia coli*

Vector end: EcoRI

Cloning sites: BssHII; KpnI; Apal; Drall; XhoI; HincII; Accl; Sall; ClaI; HindIII; EcoRI; PstI;

SmaI; BamHI; XbaI; NotI; EagI; SacI

Insert detection: lacZ', <-, 816-938

Markers: ampR

MCS: SacI...KpnI, ->, 657-759

Polylinker sites: BssHII; KpnI; Apal; Drall; XhoI; HincII; Accl; Sall; ClaI; HindIII; EcoRI; PstI;

SmaI; BamHI; XbaI; NotI; EagI; SacI

Primer site: M13-20, ->; reverse, <-

Promoters: T3; T7

Replicon: f1, ->, 3-459; pMB1, 1032-1972

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--3.0, 2.8; HindIII--4.4, 1.5; SmaI--5.0, 0.8; KpnI--5.8; BglII--5.8.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): SmaI--0.80; HindIII--1.28.

- GenBank/EMBL/DDBJ

The insert begins at nt +15 relative to the initiation ATG, and contains about 1.3 kb at the 3' end that has not been sequenced.

- Proc. Natl. Acad. Sci. USA 88: 11110-11114, 1991

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pAQP1 [UTR-01749, WI-9113, pCHIP] (ATCC 95674)

References

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

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