



HFH 15-9

87438™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Storage Conditions

Product format: Frozen

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

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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):** 1.671**Type of DNA:** cDNA**Insert source:** fetal heart**Insert tissue:** fetal heart**Insert information:**

DESCRIPTION OF INSERT COMPONENT:

2

Cross references: DNA Seq. Acc.: U16861

Nucleotides 1-1671 of the insert correspond to nucleotides 1-1671 of U16861.

Genome: Homo sapiens**Gene name:** potassium inwardly-rectifying channel, subfamily J, member**Gene product:** potassium inwardly-rectifying channel, subfamily J, member 2 [IRK1]**Gene symbol:** KCNJ2; IRK1**Contains complete coding sequence:** Yes**Insert end:** Modification: EcoRI linker**Vector Information****Construct size (kb):** 45.29999923706055**Intact vector size:** 43.700**Vector name:** lambdagt11**Type of vector:** phage**Construction:** lambdagt7-lac5(b522 nin5); lambdagt4(cl857 S100 nin5)**Host range:** *Escherichia coli***Vector end:** EcoRI**Vector information:**

Cloning capacity: 7.2 kb

Cloning sites: EcoRI**Insert detection:** lacZ

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Promoters: lac

Replicon: lambda

Repressor gene: cI857

Growth Conditions

Medium:

ATCC Medium 1592: SM buffer

Notes

Restriction digests of the clone give the following sizes (kb): EcoRI-26.0, 20.0; HindIII-25.0, 21.0, 9.5, 5.6; XbaI-25.0, 22.0, 19.0.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): KpnI-0.53; HindIII-0.69; ClaI-0.84, 1.10; XbaI-1.57.

- GenBank/EMBL/DDBJ

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: HFH 15-9 (ATCC 87438)

References

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

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