



pHKHK3a

95694™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* MC1061p3 (ATCC 47035)

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): 1.899

Type of DNA: cDNA

Insert source: Hep G2 cell line

Insert tissue: Hep G2 cell line

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Disease: hepatocellular carcinoma

Cross references: DNA Seq. Acc.: X78678

Nucleotides 1-1899 of the insert correspond to

Disease: hepatocellular carcinoma

nucleotides 1-1899 of X78678.

Genome: Homo sapiens

Gene name: ketohexokinase (fructokinase)

Gene product: ketohexokinase (fructokinase) [KHK]

Gene symbol: KHK

Contains complete coding sequence: Yes

Vector Information

Construct size (kb): 6.400000095367432

Intact vector size: 4.356

Vector name: pCDM8

Type of vector: phagemid

Construction: CMV, SV40

Host range: vertebrate cells

Vector end: BstXI

Cloning sites: HindIII; XbaI; XhoI; BstXI; PstI; NotI

Markers: ampR; supF

MCS: HindIII...XbaI, ->, 2198-2655

Polylinker sites: HindIII; XbaI; XhoI; BstXI; --stuffer--BstXI; XhoI; PstI; NotI; XbaI

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Promoters: CMV; T7**Replicon:** pMB1, 1-587; M13, ←, 588-1182; polyoma, 3353-4188; SV40, 4189-4352**Terminator:** SV40 splice site and polyadenylation, ->, 2656-3352

Growth Conditions**Medium:**

ATCC Medium 1951: LB medium (ATCC medium 1065) with 50 mcg/ml ampicillin and 15 mcg/ml tetracycline

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): XbaI--4.3, 2.1; HindIII--6.4; BamHI--3.9, 2.4; SacI--4.7, 0.87, 0.7; PstI--4.7, 1.1, 0.5.

- ATCC staff

Derived from the form A variant transcript (alternately spliced first coding exon). The second polyadenylation signal was used.

- Hum. Mol. Genet. 3: 1627-1631, 1994

The insert contains the following restriction sites (approximate kb from the 5' end): BamHI--0.41, SacI--0.54, 1.36; PstI--0.46, 0.88.

- Hum. Mol. Genet. 3: 1627-1631, 1994

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pHKHK3a (ATCC 95694)

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 2021-05-19

Contact Information

ATCC

10801 University Boulevard

pHKHK3a

95694

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: tech@atcc.org or contact your local distributor
