



# pHKHK3a

## 95694™

### Description

**Organism:** *Homo sapiens*, human

**Clone type:** Clone

**Host:** *Escherichia coli* MC1061p3 (ATCC 47035)

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### Storage Conditions

**Product format:** Freeze-dried

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### 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.

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### Biosafety Level 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.

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### Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

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## 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

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## 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

**Promoters:** CMV; T7

**Replicon:** pMB1, 1-587; M13, ←, 588-1182; polyoma, 3353-4188; SV40, 4189-4352

**Terminator:** SV40 splice site and polyadenylation, →, 2656-3352

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## Growth Conditions

**Medium:**

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

**Temperature:** 37°C

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## 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

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## Material Citation

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

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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