



# pGSRK-1

63067™

## Description

**Organism:** *Rattus norvegicus*, rat

**Clone type:** Clone

**Host:** *Escherichia coli* HB101 (ATCC 33694)

**Shipping information:** *Escherichia coli* HB101 containing the plasmid

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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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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## BSL 1

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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):** 1.6000000000000001

**Insert source:** kidney

**Insert tissue:** kidney

**Gene product:** glutamate-ammonia ligase (glutamine synthase)(glutamine synthetase, glutamate-ammonia ligase, glutamine synthase) [GLUL]

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## Vector Information

**Construct size (kb):** 6.0

**Vector name:** pBR322

**Vector information:**

**Name of clone:** pGSRK-1

**Gene symbol:** GLUL

**Cloned from:** rat kidney

**Insert ends:** GC tails

**Source of insert DNA:** cDNA

**Markers:** tetR

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## Growth Conditions

**Medium:**

ATCC Medium 1273: LB medium (ATCC medium 1065) with 20 mcg/ml tetracycline

**Temperature:** 37°C

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## Notes

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The PstI site distal to the vector EcoRI site was lost during cloning. The insert contains BamHI (2), EcoRI, EcoRV, and PvuII sites.

-Biochem. Biophys. Res. Commun. 134: 146-151, 1986

Restriction digests of the clone give the following sizes (kb): PstI--6.0; BamHI--3.8, 2.25; EcoRI--4.4, 2.1; HindIII--6.0; EcoRV--4.2, 2.5.

-ATCC staff

This clone has been used to isolate mouse genomic glutamine synthetase clones. It detects mRNAs of about 3.2 kb and 1.6 kb in HTML mouse 3T3-L1 cells and rat liver cells.

-Mol. Cell. Endocrinol. 47: 49-57, 1986

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### Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pGSRK-1 (ATCC 63067)

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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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### **Revision**

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