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

Storage Conditions

Product format: Freeze-dried
Storage conditions: 2°C to 8°C

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): 1.6000000000000001
Insert source: kidney
Insert tissue: kidney
Gene product: glutamate-ammonia ligase (glutamine synthase)(glutamine synthetase, glutamate-ammonia ligase, glutamine synthase) [GLUL]

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

Growth Conditions

Medium:
ATCC Medium 1273: LB medium (ATCC medium 1065) with 20 mcg/ml tetracycline
Temperature: 37°C

Notes

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 inHTML mouse 3T3-L1 cells and rat liver cells.
-Mol. Cell. Endocrinol. 47: 49-57, 1986

Material Citation

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

References

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

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Revision

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