



Product Sheet

pJQ200SK plasmid in *E. coli* (ATCC® 77483™)

Please read this FIRST



Storage Temp.
**Store frozen vial
at -80°C or colder**



Biosafety Level
1

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: pJQ200SK plasmid in *E. coli* (ATCC® 77483™)

Shipping Information

In glycerol stock of *E. coli* containing the plasmid

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Suicide vector permitting gene replacement and mobilization into a wide range of Gram negative bacteria. Allows for positive selection for integration. Replicates only in enterobacteria, and so functions as a suicide vector in other Gram negative hosts. When induced by media containing 5% sucrose, sacB is lethal in wide range of Gram negative bacteria, and thus permits selection for loss of the vector. A single BglII site within the gentamicin resistance gene (gtmR) allows insert of other resistance genes (e.g. as BamHI cassette). The order of the major features of this plasmid is: gtmR SstI/MCS/KpnI P15A traJ oriT sacB.

-Gene (Amst.) 127: 15-21, 1993

Designation: pJQ200SK plasmid in *E. coli*

Distribution Host: *Escherichia coli* DH10B

Propagation

Transfer a loopful to a test tube containing 5 mL LB+15 µg/mL of gentamicin broth. A loopful of culture can also be streaked on an LB + gentamicin agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

Growth Conditions

Temperature: 37°C

Vector Information

Total size of construct (kb): 5.4

Marker: gtmR, sacB

Vector type: plasmid

Cloning sites: SstI BstXI NotI XbaI SpeI BamHI SmaI PstI SalI XhoI ApaI

Construction: pBluescriptSK MCS, P15A ori, sacB, RP4, gtmR

Host range: broad host range; *Escherichia coli*

Features:

Promoter: lac

Replicon: P15A, oriT

References

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

Notes

Restriction digests of the clone gave the following sizes (in kb): BamHI 5.4 ; KpnI 3.6 ; SstI 5.4
-ATCC Staff

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans. While ATCC uses reasonable efforts to include accurate and up-to-date information on this product



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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.

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