



Product Sheet

pSON8-JUN (ATCC® 87567™)

Homo sapiens

Please read this FIRST



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: *Homo sapiens* (ATCC® 87567™)

Shipping Information

Distributed: freeze-dried

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

Designation: pSON8-JUN

Notes

Restriction digests of the clone give the following sizes (kb): Sall--9.7; HindIII--6.0, 3.7; BamHI--9.7; NcoI/Sall--9.5, 0.25.
- ATCC staff

Positive control for SOS Recruitment System. The insert contains the leucine zipper motif.
- personal communication

SOS recruitment system (SRS) is a genetic screening method to detect proteins interacting in the cytoplasm. It is based on membrane targeting with a myristoylation signal and SOS-based activation of Ras protein.
- Mol. Cell. Biol. 17: 3094-3102, 1997

Distributed In

Distribution host: *Escherichia coli* JM107 (ATCC 47014)

Insert Information

DNA: cDNA
DESCRIPTION OF INSERT COMPONENT:
Genome: human
Gene symbol: JUN
Gene name: c-jun oncogene
Contains complete coding sequence?: N
Chromosome: 1; Localization: 1p32-31
Type of DNA: cDNA
Insert 5' end: NcoI
Insert 3' end: Sall
Insert size (kb): 0.257
Cross references: DNA Seq. Acc.: J04111
Insert lengths(kb): 0.2569999992847443
Gene product: c-jun oncogene [JUN]

Vector Information

Construct size (kb): 9.694000244140625
DESCRIPTION OF VECTOR COMPONENT:
Name of vector: pSON8
Intact vector size: 9.469
Type of vector: plasmid
Vector end: NcoI
Vector end: Sall
Cloning sites: NcoI Smal HpaI Sall EagI
Polylinker sites: NcoI Smal HpaI Sall EagI HindIII MunI EcoRI XhoI
Other unique sites: ApaI SpeI NheI BglII KpnI BamHI PvuI XbaI AhaI
Construction: pUC
Host range: *Saccharomyces cerevisiae* *Candida robusta*; *Escherichia coli*
Features (with orientation and position when available):
marker(s): URA3, ->
promoter: ADH, ->
MCS: NcoI...EagI, ->
coding sequence: SOS (human Son of sevenless), ->
terminator: ADH, ->
replicon: pMB1
marker(s): ampR, <-
replicon: 2 micron ori



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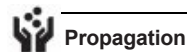
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Cross references:



Growth Conditions

Temperature: 37.0°C

Medium

ATCC® Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin



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



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.

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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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