# pSON8-JUN

87567™

## Description

**Organism:** *Homo sapiens*, human
**Clone type:** Clone
**Host:** *Escherichia coli* JM107 (ATCC 47014)

## Storage Conditions

**Product format:** Freeze-dried

## 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):** 0.25700000000000001
**Type of DNA:** cDNA
**Insert information:**
DESCRIPTION OF INSERT COMPONENT:
Insert 5' end: NcoI
Insert 3' end: SalI
Cross references: DNA Seq. Acc.: J04111
**Genome:** human
**Chromosome:** 1
1p32-31
**Gene name:** c-jun oncogene
**Gene product:** c-jun oncogene [JUN]
**Gene symbol:** JUN
**Contains complete coding sequence:** No

## Vector Information

**Construct size (kb):** 9.694000244140625
**Intact vector size:** 9.469
**Vector name:** pSON8
**Type of vector:** plasmid
**Construction:** pUC
**Host range:** *Saccharomyces cerevisiae*; *Candida robusta*; *Escherichia coli*
**Vector end:** NcoI; SalI
**Vector information:** Other unique sites: ApaI SpeI NheI BglII KpnI BamHI PvuI XbaI AhaII
**Cloning sites:** NcoI; SmaI; HpaI; SalI; EagI
**Coding sequence:** SOS (human Son of sevenless), ->
**Markers:** ampR; URA3
**MCS:** NcoI...EagI, ->

**Polylinker sites:** NcoI; SmaI; HpaI; SalI; EagI; HindIII; MunI; EcoRI; XhoI
**Promoters:** ADH
**Replicon:** pMB1; 2 micron ori
**Terminator:** ADH, ->

## Growth Conditions

**Medium:**
ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin
**Temperature:** 37°C

## Notes

Restriction digests of the clone give the following sizes (kb): SalI--9.7; HindIII--6.0, 3.7; BamHI--9.7; NcoI/SalI--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

## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pSON8-JUN (ATCC 87567)

## References

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

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## Revision

This information on this document was last updated on 2024-10-25

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