# SRS for Detecting Protein-Protein Interactions

87639™

## Description

**Clone type:** Vector
**Host:** *Escherichia coli* JM107 (ATCC 47014)

## Storage Conditions

**Product format:** Frozen

## 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.

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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.

## Insert Information

**Insert size (kb):** 0.296
**Type of DNA:** cDNA
**Insert information:**
Insert 5' end: EcoRI
Insert 3' end: XhoI
Cross references: DNA Seq. Acc.: V01512
**Genome:** human
**Chromosome:** 14
14q 24.3
**Gene name:** FOS
**Gene symbol:** FOS
**Contains complete coding sequence:** No

## Vector Information

**Intact vector size:** 6.828
**Vector name:** pMS-TRP
**Type of vector:** phagemid
**Host range:** *Saccharomyces cerevisiae*; *Escherichia coli*
**Vector end:** EcoRI; XhoI
**Vector information:**
Other unique sites: HpaI SwaI mLuI NotI BglI MunI BglII
other: Myristoylation site, ->
epitope tag: 3x hemaglutinin (HA), ->
other: lox site
other: lox site
Cross references:
**Cloning sites:** EcoRI; SacI; KpnI; XhoI; SphI

**Markers:** ampR; TRP1
**MCS:** EcoRI...SphI, ->
**Polylinker sites:** EcoRI; SacI; KpnI; XhoI; SphI
**Replicon:** 2 micron ori; f1; pMB1
**Restriction sites:** NotI
**Terminator:** CYC1, ->

## Notes

Restriction digests of the clone give the following sizes (kb): EcoRI/XhoI--6.8, 0.3; HindIII--4.3, 2.8; XbaI--3.3, 3.3, 0.4, 0.2.
- 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 myrisoylation 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: SRS for Detecting Protein-Protein Interactions (ATCC 87639)

## 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 2025-09-13

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