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

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