



# pSVLfur

## 79823™

### Description

A gene for the paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein) from human (1). The cDNA was modified with EcoRI linkers, cloned into pSVL, and transformed into *Escherichia coli*. DNA is prepared and provided as dried DNA.

**Organism:** *Homo sapiens*, human

**Clone type:** Clone

**Shipping information:** Rehydrate with TE

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### Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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### 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.

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### 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](http://www.atcc.org).

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## Insert Information

**Insert size (kb):** 4.0999999999999996

**Type of DNA:** cDNA

**Insert information:**

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique  
associated receptor protein)

Cross references: DNA Seq. Acc.: X17094

**Genome:** Homo sapiens

**Chromosome:** 15

15 q26.1

**Target gene:** paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein)

**Gene name:** paired basic amino acid cleaving enzyme (furin, membrane

**Gene product:** paired basic amino acid cleaving enzyme (furin, membrane associated receptor protein)( paired basic amino acid cleaving enzyme, furin, paired basic amino acid cleaving enzyme) [FUR]

**Gene symbol:** PACE; FUR

**Contains complete coding sequence:** Yes

**Insert end:** Modification: EcoRI linkers

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## Vector Information

**Construct size (kb):** 9.0

**Intact vector size:** 4.889

**Vector name:** pSVL

**Type of vector:** plasmid

**Construction:** pBR322, SV40

**Host range:** vertebrate cells

**Vector end:** EcoRI

**Cloning sites:** XhoI; XbaI; SmaI; XmaI; SacI; BamHI

**Markers:** ampR

**Polylinker sites:** XhoI; XbaI; SmaI; XmaI; SacI; BamHI

**Promoters:** SV40 late

**Replicon:** pMB1; SV40

**Terminator:** SV40 late poly(A)

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## Handling Procedures

Dissolve DNA in TE (10 mM Tris pH 7.5 and 1 mM EDTA) to desired concentration. DNA can be transformed into standard *E. coli* hosts for further . *E. coli* transformed with pSVLfur can be grown in LB with 50 mg/mL ampicillin. The insert contains the following restriction endonuclease sites (approximate kb from the 5' end). *Pst* I, 0.48, 2.42, 3.62; *Kpn* I, 0.58, 3.97; *Bam* H I, 1.84. Digestion of the plasmid with *Bam* H I results in bands at 6.4 kb and 2.4 kb. Digestion of the plasmid with *Eco* R I results in the bands at 4.1 kb, 2.7 kb, 2.2 kb. Digestion of the plasmid with *Kpn* I results in bands at 3.9 kb, 3.4 kb and 1.8 kb.

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## Notes

Restriction digests of the clone give the following sizes (kb): BamHI--6.6, 2.4; EcoRI--4.1, 2.7, 2.2; KpnI--3.9, 3.4, 1.8; PstI--3.1, 2.5, 2.0, 1.3; SmaI--5.8, 3.4.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): PstI--0.48, 2.42, 3.62; KpnI--0.58, 3.97; BamHI--1.84.

- GenBank/EMBL/DDBJ

Corresponds to nt 101-4180 of the sequence record. Constructed by introducing an EcoRI site in the SmaI site of the vector.

- personal communication

Contains the complete coding sequence (nt 217-2601).

- Mol. Biol. Rep. 14: 265-275, 1990

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pSVLfur (ATCC 79823)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

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