



pSupexp 77362™

Description

Clone type: Vector

Host: *Escherichia coli* HB101 (ATCC 33694)

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.

Vector Information

Construct size (kb): 5.5

Intact vector size: 5.500

Vector name: pSupexp (plasmid)

Type of vector: plasmid

Construction: pBR322, pSL1190, pRcCMV

Host range: vertebrate cells

Cloning sites: AflII; SpeI; SacII; NruI; ClaI; NotI; NdeI; SnaBI; HpaI; KpnI

Enhancer: HIV-1 LTR

Markers: neoR; G418R; ampR

Polylinker sites: AflII; SpeI; SacII; NruI; ClaI; NotI; NdeI; SnaBI; HpaI; KpnI

Promoters: HIV-1 LTR

Replicon: pMB1

Terminator: SV40

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): HindIII--5.5;
NotI--5.5; KpnI--5.5.

- ATCC staff

Shuttle expression vector permitting levels of protein production in human cells high enough for immunoprecipitation.

- Gene 120: 287-289, 1992

Contains two mammalian transcription units: the foreign DNA regulated by HIV-1 LTR and an SV40 polyadenylation sequence, and HIV-1 tat and neo regulated by an SV40 early promoter and polyadenylation sequence.

- Gene 120: 287-289, 1992

The AflIII and SpeI cloning sites are recommended for the 5' end of foreign DNA to prevent potential translation effects of ATG sequences in the multiple cloning site.

- Gene 120: 287-289, 1992

The order of the major features in this plasmid is: AatII - HIV-1 LTR - MCS - SV40 polyadenylation - SV40 early promoter - tat - neoR - SV40 polyadenylation - pMB1 ori - ampR.

- Gene 120: 287-289, 1992

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pSupexp (ATCC 77362)

References

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

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