



pSTGFbeta2 [BSC-1 GI-G2]

77322™

Description

Organism: *Cercopithecus aethiops*

Clone type: Clone

Host: *Escherichia coli* DH5alpha

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): 2.3500000000000001

Type of DNA: cDNA

Insert source: kidney epithelium BS-C-1 cell line

Insert tissue: kidney epithelium BS-C-1 cell line

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: 5 or less

Insert 5' end: Modification: GC

Insert 3' end: Modification: AT

Cross references: DNA Seq. Acc.: J03585

Genome: monkey, African green

Chromosome: 1 q41

Gene name: transforming growth factor, beta 2

Gene product: transforming growth factor, beta-2(transforming growth factor beta 2) [TGFB2]

Gene symbol: TGFB2

Contains complete coding sequence: Yes

Vector Information

Construct size (kb): 5.349999904632568

Intact vector size: 3.000

Vector name: pcDV1

Type of vector: plasmid

Construction: pBR322, SV40

Host range: vertebrate cells

Cloning sites: Sall; ClaI; HindIII; EcoRI; KpnI

Enhancer: none

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Product Sheet

Markers: ampR

Promoters: none

Replicon: pMB1

Terminator: SV40 late

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): BamHI--3.2, 2.5; XhoI--3.1, 2.6; HindIII--2.8, 1.35, 1.4; PstI--4.1, 1.4; NotI--5.5.

- ATCC staff

Digestion of the plasmid gives these fragments (approximate kb): XhoI or BamHI--2.9 (vector), 2.35; HindIII--2.65 (vector + 3' end of insert), 1.4 (vector + 5' end of insert), 1.2 (insert only); PstI--3.7, 1.3, 0.28. The fragment released by the XhoI or BamHI digest includes vector sequence. An EcoRI/BamHI digest will remove vector sequence at the 5' end, as well as part of the 5' untranslated region. The insert includes the following restriction sites (approximate kb from the 5' end: EcoRI--0.01; PstI--0.27; NotI--0.46; XmnI--0.82; HindIII--0.87, 2.0; SphI--1.2.

- personal communication

Contains the complete coding sequence (nt 200-1444).

- Proc. Natl. Acad. Sci. USA 85: 79-82, 1988

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pSTGFbeta2 [BSC-1 GI-G2] (ATCC 77322)

References

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

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Product Sheet

Contact Information

ATCC

10801 University Boulevard

Manassas, VA 20110-2209

USA

US telephone: 800-638-6597

Worldwide telephone: +1-703-365-2700

Email: tech@atcc.org or contact your local distributor
