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.

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).

**Distribution In**

Distribution host: *Escherichia coli* DH5alpha

**Insert Information**

**DNA:** cDNA
**DESCRIPTION OF INSERT COMPONENT:**
Genome: monkey, African green
Gene symbol: TGFB2
Genomic copy number: 5 or less
Gene name: transforming growth factor, beta 2
Contains complete coding sequence?: Y
Localization: 1 q41
Tissue: kidney epithelium BS-C-1 cell line
Type of DNA: cDNA
Insert 5’ end: Modification: GC
Insert 3’ end: Modification: AT
Insert size (kb): 2.35
Cross references: DNA Seq. Acc.: J03585
Insert lengths(kb): 2.349999904632568
Tissue: kidney epithelium BS-C-1 cell line
Gene product: transforming growth factor, beta-2(transforming growth factor beta 2) [TGFB2]

**Vector Information**

Construct size (kb): 5.349999904632568
**DESCRIPTION OF VECTOR COMPONENT:**
Name of vector: pcDV1
Intact vector size: 3.000
Type of vector: plasmid
Cloning sites: SalI, ClaI, HindIII, EcoRI, KpnI
Polylinker sites:
Construction: pBR322, SV40
Host range: vertebrate cells; *Escherichia coli*
Features (with orientation and position when available):
enhancer: none
marker(s): ampR
promoter: none
replicon: pMB1
Product Sheet

pSTGFbeta2 [BSC-1 GI-G2] (ATCC® 77322™)

Cercopithecus aethiops

Please read this FIRST

Biosafety Level

1

Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: Cercopithecus aethiops (ATCC® 77322™)

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Distributed: freeze-dried

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