pGFLEX plasmid in *E. coli*

87629™

Description

Clone type: Vector
Host: *Escherichia coli* HB101 (ATCC 33694)

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.

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

Intact vector size: 6.143
Type of vector: phagemid
Construction: pUC19, pGPi-2, pIC-20H
Host range: mammalian cells
Vector information:
Leader Peptide: beta-gal leader sequence, 848-886
Other: thrombin cleavage site, 1517-1524
Stop Codons: TGA, 1570-1572
Other unique sites: BglII BssHI EcoRV PstI PvuI ScaI SpeI
Cloning sites: ClaI; NotI; ApI
Coding sequence: human GST pi, ->, 887-1516; Neo, ->, 2836-3630
Markers: G418R; ampR
MCS: BamHI...ApaI, 1525-1566
Polylinker sites: BamHI; EcoRI; SmaI; SalI; XhoI; NotI; ApaI
Replicon: f1 ori, 1895-2413; SV40 ori, 2669-2754; pMB1, 4373-4373
Terminator: SV40 polyadenylation, 3804-3939

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): PstI--6.2; XhoI--4.1, 2.1; SalI--2.4, 2.1, 1.6. Recommendation for verification: StuI--4.84, 1.30; SalI--2.4, 2.18, 1.56; PstI--6.14; NotI--6.14.

High level of expression in *E. coli*, cos and other mammalian cultured cell lines.
- personal communication

The pGFLEX expression system allows production of target proteins fused to either the N or C terminus of the GST pi protein and provides rapid purification of target proteins as either GST fusions or native proteins after cleavage with thrombin.
- Gene 193: 229-237, 1997

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pGFLEX plasmid in *E. coli* (ATCC 87629)

References

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

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