pGEM-8

95660™

Description

Detects:

Genome: Homo sapiens

Gene symbol: IGF2R

Type of nucleic acid: genomic

Restriction enzyme: SacI

Invariant bands (kb): 2.2, 3.1, 4.0, 4.9, 5.3

Number of alleles: 2

Maximum heterozygosity (%): 52

Alleles:

Allele Freq. Size (kb) Strains

A1 0.35 14.4

A1 0.65 18.6

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* DH5alpha

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.

Insert Information

Insert size (kb): 9.0999999999999996
Type of DNA: cDNA
Insert source: placenta
Insert tissue: placenta
Insert information:
DESCRIPTION OF INSERT COMPONENT:
Genomic copy number: unique
Insert 5' end: SalI
Insert 3' end: XbaI
Cross references: DNA Seq. Acc.: J03528
Genome: Homo sapiens
Chromosome: 6
6 q25.3
Gene name: insulin-like growth factor 2 receptor
Gene product: insulin-like growth factor 2 receptor(insulin-like growth factor II receptor, insulin like growth factor II (IGF II) receptor, mannose-6-phosphate receptor, cation-independent) [IGF2R]

Gene symbol: IGF2R
Alleles: A1, A1
Contains complete coding sequence: Yes

Vector Information

Construct size (kb): 12.0
Intact vector size: 2.870
Vector name: pGEM-2
Type of vector: plasmid
Host range: *Escherichia coli*
Vector end: SalI; XbaI
Vector information:
Cross references: DNA Seq. Acc.: X65301
Cloning sites: HindIII; PstI; SalI; AccI; HincII; XbaI; BamHI; AvaI; SmaI; SacI; EcoRI
Markers: ampR
MCS: EcoRI...HindIII, ->, 10-60
Polylinker sites: HindIII; PstI; SalI; AccI; HincII; XbaI; BamHI; AvaI; SmaI; SacI; EcoRI
Promoters: T7; SP6
Replicon: pMB1

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--6.6, 4.0, 1.8; EcoRI--8.0, 3.7; HindIII--5.0, 4.0, 1.8, 1.5; SalI--9.0, 2.7; SalI/XhoI--9.0, 2.7.
- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): EcoRI--0.48, 8.40; HindIII--0.72, 2.24, 3.94; BamHI--2.81, 2.96, 3.34, 6.91.
- GenBank/EMBL/DDBJ

At the 3' end of the insert, the construct includes sequence from the vector pSLV: XbaI, SmaI, SacI, and BamHI sites, and the SV40 poly(A) polyadenylation signal (to the SalI site).
- personal communication

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pGEM-8 (ATCC 95660)

References

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

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Revision

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