



cos 7-1

79942™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* ED8767

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): 39.479999999999997

Type of DNA: genomic

Insert source: chronic myelogenous leukemia K-562 cell line

Insert tissue: chronic myelogenous leukemia K-562 cell line

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

Cross references: DNA Seq. Acc.: U07000

Nucleotides 1-39480 of the insert correspond to nucleotides 1-39480 of U07000.

Genome: Homo sapiens

Chromosome: 22

22 q11

Gene name: breakpoint cluster region

Gene product: breakpoint cluster region [BCR]

Gene symbol: BCR; BCR1

Alleles: A1, A1, A2, A2

Contains complete coding sequence: No

Insert end: Mbol

Vector Information

Construct size (kb): 48.68000030517578

Intact vector size: 9.201

Vector name: svPHEP

Type of vector: cosmid

Host range: *Escherichia coli*

Vector end: BamHI

Vector information:

Cross references: DNA Seq. Acc.: L19900

Cloning sites: BamHI; ClaI

Markers: ampR

Polylinker sites: HindIII; ClaI; EcoRI; BamHI

Replicon: pMB1

Growth Conditions

Medium:

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Temperature: 30°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--10.5, 7.0 (triplet), 6.2, 3.5, 2.4, 2.05, 0.98, 0.90, 0.82, 0.68; BglII--8.6, 6.6, 5.8, 5.3, 4.4, 3.3, 3.15, 2.95, 2.3 (doublet), 1.9, 0.54, 0.3; EcoRI--10.0, 7.0 (doublet), 6.2 (doublet), 4.1, 2.9, 2.4, 1.7, 1.1; HindIII--15.0, 11.0, 5.8, 5.6, 4.3, 3.3, 1.8, 1.05, 0.7, 0.48; NotI--uncut; SstI--15.5, 13.0, 10.5, 8.0, 2.3, 0.94, 0.67. IMPORTANT: To prevent amplification of a rearranged and/or deleted cosmid, we recommend streaking on LB + amp plates at 30C and picking small colonies for liquid culture.

- ATCC staff

The insert begins 15038 nt upstream of exon 1 and continues past exon 2' into intron 3'. The upstream region contains a TATA box, several protein binding sites, a repeat region (13983-14521) and an inverted repeat (16054-16330).

- personal communication

More information may be available from ATCC (<http://www.atcc.org> or 703-365-2620).

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: cos 7-1 (ATCC 79942)

References

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

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