182

79014™

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): 35
Type of DNA: genomic
Insert source: leukocyte
Insert tissue: leukocyte
Insert information:
DESCRIPTION OF INSERT COMPONENT:
Genomic copy number: unique
Cross references: DNA Seq. Acc.: J05303
Genome: Homo sapiens
Chromosome: 22
22 q12-q13.1
Gene name: lectin, galactoside-binding, soluble, 1
Gene product: lectin, galactoside-binding, soluble, 1 [LGALS1]
Gene symbol: LGALS1
Contains complete coding sequence: Unknown
Insert end: MboI

Vector Information

Construct size (kb): 40.0
Intact vector size: 5.400
Vector name: pJB8
Type of vector: cosmid
Construction: HomerI
Host range: *Escherichia coli*
Vector end: BamHI
Cloning sites: BamHI; EcoRI
Markers: ampR
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): PstI--4.2, 4.2, 3.0, 3.0, 3.0, 2.35, 2.05, 1.95, 1.9, 1.7, 1.5, 1.35, 1.25, 1.1, 0.92, 0.9, 0.85, 0.85, 0.8, 0.76, 0.72, 0.48, 0.42, 0.35; PvuII--4.6, 4.4, 4.1, 3.7, 3.7, 3.2, 2.2, 2.0, 1.9, 1.65, 1.25, 1.25, 1.0, 1.0, 0.75, 0.65, 0.6, 0.46, 0.4, 0.4; EcoRI--12.0, 8.0, 7.0, 4.5, 3.3, 1.65, 0.84; EcoRI/BamHI--8.4, 8.4, 4.5, 4.3, 3.65, 2.25, 1.85, 1.78, 1.7, 1.15, 0.8; EcoRI/PstI--4.2, 3.3, 3.0, 3.0, 2.35, 2.2, 1.75, 1.55, 1.35, 1.2, 1.15, 1.1, 1.0, 0.95, 0.95, 0.84, 0.75, 0.68 +smaller. 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 sequence record begins at a Sp1 binding site consensus approximately 260 bp 5' to the initiator ATG.
- Biochemistry 30: 82-89, 1991

Contains the complete gene (4 exons).
- Biochemistry 30: 82-89, 1991

Introns 2 and 3 contain Alu repeats.
- Biochemistry 30: 82-89, 1991

The 4428 nt sequenced region includes the following restriction sites (nt from the 5' end): PstI--531, 642, 1011 (all intron 1), 1850 (intron 2); 3218 (intron 3); EcoRI--4211 (exon 4).

- Biochemistry 30: 82-89, 1991

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: 182 (ATCC 79014)

References

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

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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