cosmid322

80000™

Description

Organism: *Homo sapiens*, human
Clone type: Clone
Host: *Escherichia coli* HB101 (ATCC 33694)

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): 44
Type of DNA: genomic
Insert source: lymphoblast
Insert tissue: lymphoblast
Insert information:
DESCRIPTION OF INSERT COMPONENT:
Cross references: DNA Seq. Acc.: L01971
DNA Seq. Acc.: L01972
DNA Seq. Acc.: L01973
DNA Seq. Acc.: L01974
DNA Seq. Acc.: L01975
DNA Seq. Acc.: L01976
DNA Seq. Acc.: L01977
DNA Seq. Acc.: L01978
DNA Seq. Acc.: L01979
DNA Seq. Acc.: L01980
DNA Seq. Acc.: L01981
DNA Seq. Acc.: L01982
DNA Seq. Acc.: L01983
Genome: Homo sapiens
Chromosome: 17
17 q23.1-q25.3
Gene name: sodium channel, voltage-gated, type IV, alpha polypeptide
Gene product: sodium channel, voltage-gated, type IV, alpha polypeptide [SCN4A]
Gene symbol: SCN4A
Contains complete coding sequence: No
Insert end: BamHI

Vector Information

Construct size (kb): 52.0
Intact vector size: 8.200
Vector name: pWE15
Type of vector: cosmid
Host range: vertebrate cells
Vector end: BamHI
Vector information:
Cross references: DNA Seq. Acc.: X65279
Cloning sites: BamHI
Markers: G418R; kanR; ampR
Polylinker sites: EcoRI; NotI; BamHI; NotI; EcoRI
Promoters: T3; T7
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--13.0, 10.0, 6.6, 4.8, 4.0, 3.4 (doublet), 0.6; BglII--13.5, 7.0 (doublet), 5.1, 4.2, 3.1, 1.7, 1.6, 1.45; EcoRI--17.0, 9.2, 9.0, 5.9, 2.9, 1.1; HindIII--17.5, 9.4, 5.8, 3.5, 3.3, 2.95, 0.45; SstI--11.5 (doublet), 4.9, 3.3, 2.95, 2.4 (doublet), 1.25, 1.1, 0.80, 0.62, 0.45, 0.30. 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

Includes exons 12 - 24, with exon 24 (and thus the 3' untranslated region) being complete. This corresponds to domains II, III and IV of the protein product.

- Hum. Mol. Genet. 1: 521-527, 1992

Additional GenBank/EMBL accession numbers: L01971-L01982.
- Hum. Mol. Genet. 1: 521-527, 1992

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: cosmid322 (ATCC 80000)

References

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

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