



# cosmid51.22

79999<sup>TM</sup>

Product Sheet

## Description

**Organism:** *Homo sapiens*, human

**Clone type:** Clone

**Shipping information:** Rehydrate with TE

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## Storage Conditions

**Product format:** Freeze-dried

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## 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.

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## 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.

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## Certificate of Analysis



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For batch-specific test results, refer to the applicable certificate of analysis that can be found at [www.atcc.org](http://www.atcc.org).

## Insert Information

**Insert size (kb):** 37**Type of DNA:** genomic**Insert source:** lymphoblast**Insert tissue:** lymphoblast**Insert information:**

DESCRIPTION OF INSERT COMPONENT:

Cross references: DNA Seq. Acc.: L01962

DNA Seq. Acc.: L01963

DNA Seq. Acc.: L01964

DNA Seq. Acc.: L01965

DNA Seq. Acc.: L01966

DNA Seq. Acc.: L01967

DNA Seq. Acc.: L01968

DNA Seq. Acc.: L01969

DNA Seq. Acc.: L01970

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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

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**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:** Yes**Insert end:** BamHI

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**Vector Information****Construct size (kb):** 45.0**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

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**Notes**

Restriction digests of the clone give the following sizes (kb): BamHI--12.5, 10.5, 5.3, 5.0, 3.8 (doublet), 3.6, 0.8; BglII--15.5 (doublet), 12.0; EcoRI--20.0, 12.0, 8.8, 2.1; HindIII--14.5, 12.0, 7.1, 3.75, 3.6, 2.1; SstI--13.5, 9.4, 5.6, 5.3, 3.4, 1.75, 1.35, 1.05, 0.86. **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

Extends from exon 1 into exon 24, from the 5' untranslated region into the 3' untranslated region.



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

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

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: cosmid51.22 (ATCC 79999)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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## Revision

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