



Product Sheet

cosmid51.22 (ATCC® 79998™)

Homo sapiens

Please read this FIRST



Intended Use

This product is intended for research use only. It is not intended for any animal or human therapeutic or diagnostic use.

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: *Homo sapiens* (ATCC® 79998™)

Shipping Information

Distributed: freeze-dried

American Type Culture Collection
PO Box 1549
Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Designation: cosmid51.22

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

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

Distributed In

Distribution host: *Escherichia coli* HB101 (ATCC 33694)

Insert Information

DNA: genomic
DESCRIPTION OF INSERT COMPONENT:
Genome: *Homo sapiens*
Gene symbol: SCN4A
Gene name: sodium channel, voltage-gated, type IV, alpha polypeptide
Contains complete coding sequence?: Y
Chromosome: 17; Localization: 17 q23.1-q25.3
Tissue: lymphoblast
Type of DNA: genomic
Insert end: BamHI
Insert end: BamHI
Insert size (kb): 37.0
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
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
Insert lengths(kb): 37.0
Tissue: lymphoblast
Gene product: sodium channel, voltage-gated, type IV, alpha polypeptide [SCN4A]

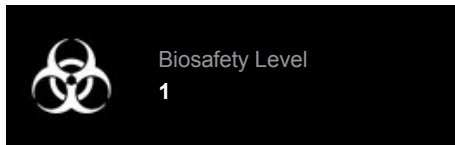


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Vector Information

Construct size (kb): 45.0
DESCRIPTION OF VECTOR COMPONENT:
Name of vector: pWE15
Intact vector size: 8.200
Type of vector: cosmid
Vector end: BamHI
Vector end: BamHI
Cloning sites: BamHI
Polylinker sites: EcoRI NotI BamHI NotI EcoRI
Host range: vertebrate cells; *Escherichia coli*
Features (with orientation and position when available):
marker(s): ampR, kanR, G418R
promoter: T3, T7
replicon: pMB1
Cross references: DNA Seq. Acc.: X65279

Propagation

Growth Conditions

Temperature: 30.0°C

Medium

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

References

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

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.
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