



NIB1543

95520™

Product Sheet

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): 0.90000000000000002

Type of DNA: cDNA

Insert source: infant brain, 3 months old (from Bento Soares)

Insert tissue: infant brain, 3 months old (from Bento Soares)

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Insert 5' end: Modification: HindIII

Insert 3' end: Modification: NotI

Cross references: DNA Seq. Acc.: L36092

Nucleotides 245-52,56-7 of the insert correspond to nucleotides 497222...497461 of L36092 with 88% identity.

DNA Seq. Acc.: T16607

Genome: Homo sapiens

Gene name: DNA Segment, expressed

Gene product: DNA Segment, expressed

Contains complete coding sequence: Unknown

Vector Information

Construct size (kb): 4.0

Intact vector size: 3.153

Vector name: lafmid BA

Type of vector: phagemid

Construction: pGEM

Host range: *Escherichia coli*

Vector end: HindIII; NotI

Vector information:

Other unique sites: ClaI, XmnI, ScaI, ApaLI

Cloning sites: HindIII; BamHI; NotI; EcoRI

Insert detection: lacZ', <-, 594-1119

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Markers: ampR**MCS:** EcoRI/NotI/BamHI/HindIII, ->, 1061-1098**Polylinker sites:** HindIII; BamHI; NotI; EcoRI**Primer site:** M13 universal, ->; M13 reverse, <-**Promoters:** lac**Replicon:** f1, ←, 100-556; pMB1, ←, 1518-1518

Growth Conditions

Medium:

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

Temperature: 37°C

Notes

Restriction digests of the clone give the following sizes (kb): BamHI--4.0; ClaI--4.0; HindIII/NotI--3.1, 0.96; PvuII--2.8, 1.0; Scal--4.0. The alignment with L36092 (T-cell receptor beta chain, complete gene) is for a region not currently identified as being transcribed.

- ATCC staff

Derived from a directionally cloned library with an average insert size of 1.7 kb. Inserts can be amplified with the M13 universal (forward) and reverse primers. The primers can also be used to generate sequence from the 3' or 5' ends, respectively.

- personal communication

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: NIB1543 (ATCC 95520)

References

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

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