



D2a

80026™

Description

Detects:

Genome: *Homo sapiens*

Tissue: lung, thymus

Gene symbol: ITK

Type of nucleic acid: mRNA

Invariant bands (kb): 6.2

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): 9.4000000000000004

Type of DNA: cDNA

Insert source: thymus

Insert tissue: thymus

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

itk/tsk tyrosine kinase

Cross references: DNA Seq. Acc.: L10717

Genome: Homo sapiens

Chromosome: 5

5 q31-q32

Gene name: T-cell-specific tyrosine kinase; homolog of mouse T-cell

Gene product: T-cell-specific tyrosine kinase; homolog of mouse T-cell itk/tsk tyrosine kinase [ITK]

Gene symbol: ITK

Contains complete coding sequence: Yes

Insert end: EcoRI

Vector Information

Construct size (kb): 12.39999961853027

Intact vector size: 2.960

Vector name: pBluescript KS

Type of vector: phagemid

Construction: pUC19

Host range: *Escherichia coli*

Vector end: EcoRI

Cloning sites: SacI; BstXI; SacII; NotI; XbaI; SpeI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII; ClaI; Sall HincII AccI; XhoI; DraI; ApaI; KpnI

Enhancer: none

Insert detection: lacZ'

Markers: ampR

Polylinker sites: SEE COMMENTS

Promoters: lac; T3; T7

Replicon: pMB1; f1

Terminator: none

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--6.5, 3.6, 2.5; EcoRI--4.8, 3.1, 2.5, 2.0; PstI--9.2, 2.8, 0.56; XbaI--5.9, 3.8, 1.8, 0.7; HindIII--4.5, 4.3, 2.5, 1.1.

- ATCC staff

Contains the complete coding sequence (nt 2024-3886).

- Blood 82: 1561-1572, 1993

A 2.8 kb PstI fragment from the unique and untranslated 5' domain has been used as a probe.

- Blood 82: 1561-1572, 1993

The insert contains the following restriction sites (approximate kb from the 5' end): BamHI--5.92; BglI--2.13; BglII--4.67; EcoRI--1.95; EcoRV--4.48; HindIII--1.32, 2.43; KpnI--1.90; PstI--2.83, 3.39; SstI--2.19, 3.11; XbaI--5.26, 5.95.

- Blood 82: 1561-1572, 1993

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: D2a (ATCC 80026)

References

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

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