

# D2a

80026<sup>TM</sup>

## 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)

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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



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## Certificate of Analysis

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):** 9.400000000000004

**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):** 12.3999961853027

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**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; SphI; BamHI; SmaI; PstI; EcoRI; EcoRV;

HindIII; ClaI; SalI; HincII; AccI; XbaI; Dral; Apal; KpnI

**Enhancer:** none**Insert detection:** lacZ'**Markers:** ampicillin**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.



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- Blood 82: 1561-1572, 1993

The insert contains the following restriction sites (approximate kb from the 5' end): BamHI--5.92; BglI--2.13; BglIII--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).

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### Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: D2a (ATCC 80026)

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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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