



alpha4 [UTR-00723, WI-9025]

95494™

Product Sheet

Description

Detects:

Genome: *Homo sapiens*

Strain: MOLT-4 cell line

Tissue: acute lymphoblastic leukemia

Gene symbol: ITGA4

Type of nucleic acid: mRNA

Invariant bands (kb): 5-6

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): 3.8050000000000002

Type of DNA: cDNA

Insert source: HPB-mLT cell line

Insert tissue: HPB-mLT cell line

Insert information:

DESCRIPTION OF INSERT COMPONENT:

receptor)

Disease: leukemia, T-cell

Cross references: DNA Seq. Acc.: X16983

Nucleotides 1-3805 of the insert correspond to nucleotides 1-3805 of X16983.

Disease: leukemia, T-cell

Genome: Homo sapiens

Chromosome: 2

2 q31-q32; 2, 913.240000 cR

Gene name: integrin, alpha 4 (CD49D, alpha 4 subunit of VLA-4

Gene product: integrin, alpha 4 (CD49D, alpha 4 subunit of VLA-4 receptor)(integrin, alpha 4) [ITGA4]

Gene symbol: ITGA4

Contains complete coding sequence: Yes

Insert end: Modification: EcoRI linker

Vector Information

Construct size (kb): 6.769999980926514

Intact vector size: 2.964

Vector name: pBluescript KS-

Type of vector: phagemid

Construction: pUC19

Host range: *Escherichia coli*

Vector end: EcoRI closer to Sall; EcoRI

Cloning sites: SacII; XmaI; 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: T7; T3; lac

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): Sall/XbaI--3.8, 2.9; BamHI--3.3, 3.3; HindIII--5.6, 1.0; EcoRI--3.0, 2.0, 1.8; XbaI--6.7.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): BamHI--1.83; HindIII--0.94 EcoRI--1.83.

- GenBank/EMBL/DDBJ

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: alpha4 [UTR-00723, WI-9025] (ATCC 95494)

References

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

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