



clone 2.72F, #19

95490™

Description

Detects:

Genome: *Homo sapiens*

Tissue: fibroblast

Gene symbol: ITGA2

Type of nucleic acid: mRNA

Invariant bands (kb): 8.0

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): 5.367

Type of DNA: cDNA

Insert source: lung fibroblast IMR-90 cell line

Insert tissue: lung fibroblast IMR-90 cell line

Insert information:

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique
receptor)

Cross references: DNA Seq. Acc.: M28249

Nucleotides 1-5367 of the insert correspond to
nucleotides 2-5368 of M28249.

Genome: Homo sapiens

Chromosome: 5

5 q23-q31

Gene name: integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2

Gene product: integrin, alpha 2 (CD49B, alpha 2 subunit of VLA-2 receptor)(collagen
receptor, platelet gpla/IIa) [ITGA2]

Gene symbol: ITGA2

Contains complete coding sequence: Yes

Insert end: Modification: EcoRI linker

Vector Information

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Construct size (kb): 8.329999923706055**Intact vector size:** 2.964**Vector name:** pBluescript KS+**Type of vector:** phagemid**Construction:** pUC19**Host range:** *Escherichia coli***Vector end:** EcoRI closer to XhoI site; EcoRI**Cloning sites:** SacII; XmaI; NotI; XbaI; SpeI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII;

ClaI; SalI HincII AclI; XhoI; DraII; 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): EcoRI--3.6, 3.0, 1.8; HindIII--3.2, 3.2, 2.1; XbaI--8.4; XhoI--4.8, 3.5; KpnI--4.8, 3.5.

- ATCC staff

The insert contains the following restriction sites (approximate kb from the 5' end): EcoRI--1.79, BamHI--1.86; HindIII--2.02, 5.2.

- J. Cell Biol. 109: 397-407, 1989

The coding region is nt 49-3594.

- J. Cell Biol. 109: 397-407, 1989

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: clone 2.72F, #19 (ATCC 95490)

References

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

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