



# ATZA1

## 5516™

### Description

- **Organism** *Homo sapiens*, human
  - **Clone type** Clone
  - **Host** *Escherichia coli* DH5alpha
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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 and procedures as well as any other applicable regulations as enforced by your local or national agencies.

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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).

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## Insert Information

- **Insert size (kb)** 4.9000000000000004
  - **Type of DNA** cDNA
  - **Insert source** B-lymphocytes
  - **Insert tissue** B-lymphocytes
  - **Insert information**  
DESCRIPTION OF INSERT COMPONENT:  
Insert 5' end: BamHI  
Insert 3' end: EcoRI  
Cross references: DNA Seq. Acc.: X13294  
Nucleotides 1-2317 of the insert correspond to nucleotides 25-2341 of X13294.  
DNA Seq. Acc.: X66087  
Nucleotides 1270-4857 of the insert correspond to nucleotides 1-3587 of X66087.
  - **Genome** Homo sapiens
  - **Chromosome** 8  
8 q22
  - **Target gene** avian myeloblastosis viral (v-myb) oncogene homolog-like 1
  - **Gene name** avian myeloblastosis viral (v-myb) oncogene homolog-like 1
  - **Gene product** avian myeloblastosis viral (v-myb) oncogene homolog-like 1 [MYBL1]
  - **Gene symbol** MYBL1
  - **Contains complete coding sequence** Yes
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## Vector Information

- **Construct size (kb)** 7.800000190734863
  - **Intact vector size** 2.900
  - **Vector name** pTZ19
  - **Type of vector** phagemid
  - **Construction** pUC19, Escherichia coli lacZalpha, pBR322, f1
  - **Host range** *Escherichia coli*
  - **Vector end** BamHI; EcoRI
  - **Cloning sites** HindIII; SphI; PstI; Sall; AccI; HincII; XbaI; BamHI; SmaI; KpnI; SacI; EcoRI
  - **Enhancer** none
  - **Insert detection** lacZ'
  - **Markers** ampR
  - **Polylinker sites** HindIII; SphI; PstI; Sall; AccI; HincII; XbaI; BamHI; SmaI; KpnI; SacI; EcoRI
  - **Promoters** lac; T7
  - **Replicon** pMB1; f1
  - **Terminator** none
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## Growth Conditions

- **Medium**  
[ATCC Medium 1227: LB Medium \(ATCC medium 1065\) with 50 mcg/ml ampicillin](#)
  - **Temperature** 37°C
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## Notes

Restriction digests of the clone give the following sizes (kb):

BamHI/EcoRI--3.6, 3.0, 0.62, 0.35, 0.21, 0.19; EcoRI--3.6(doublet), 0.35, 0.23, 0.19; HindIII--4.8, 3.1; PstI--5.3, 2.4, 0.21; PvuII--4.3, 2.6, 1.1.

Recommendation for verification: BamHI+EcoRI--3.5, 3.0, 0.6, 0.3, 0.18, 0.15; EcoRI--3.6, 3.5, 0.3, 0.2, 0.15; HindIII--4.7, 3.1; PstI--5.1, 2.4, 0.3; PvuII--4.2, 2.6, 1.0.

- ATCC staff

Insert contains the following restriction sites (approximate kb from the 5' end): BglII--1.13; BglII--1.74; EcoRI--0.64, 0.96, 1.11, 1.29; EcoRV--2.31; HindIII--3.11; KpnI--1.75, 3.45; NdeI--0.75; NcoI--1.31; PstI--2.40, 2.69; PvuII--0.93; SacI--2.35.

- GenBank/EMBL/DDBJ

There are internal EcoRI sites. The coding portion of the insert can be excised with HindIII.

- personal communication

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pTZA1 (ATCC 95516)

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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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