



anti GraB

99624™

Description

Organism: *Homo sapiens*, human

Clone type: Clone

Host: *Escherichia coli* HB101 (ATCC 33694)

Deposited As: human

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

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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.

Insert Information

Insert size (kb): 1.2

Type of DNA: cDNA

Insert source: liver

Insert tissue: Liver

Genome: Homo sapiens

Target gene: antichymotrypsin, mutant

Gene name: antichymotrypsin

Gene product: antichymotrypsin

Contains complete coding sequence: Unknown

Vector Information

Vector name: pFlag-1 deriv

Type of vector: phagemid

Construction: pFLAG, FLAG/ompA sequences deleted

Host range: *Escherichia coli*

Vector end: Sall; NdeI

Cloning sites: HindIII; EcoRI; XbaI; Sall; BglII; XhoI

Markers: ampR

Polylinker sites: HindIII; EcoRI; XbaI; Sall; BglII; XhoI

Promoters: tac

Replicon: pMB1; f1

Repressor gene: lacI

Terminator: rrnB

Transcription terminator: rrnB

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/NdeI--5.6, 1.4; XhoI--6.45, 0.55; PvuII--4.1, 2.1, 0.5, 0.33.

- ATCC staff

Insert encodes an L358D mutant of antichymotrypsin, which specifically inhibits granzyme B. Insert contains an initiator Met followed by a six His epitope tag coding sequence and the entire coding sequence of antichymotrypsin starting at His-22.

- Proc. Natl. Acad. Sci. USA 93: 1972-1976, 1996

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: anti GraB (ATCC 99624)

References

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

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