



Anti GraB

9624™

Description

- **Organism** *Homo sapiens*, human
 - **Clone type** Clone
 - **Host** *Escherichia coli* HB101 ([ATCC 33694](#))
 - **Deposited As** human
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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.

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)** 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
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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
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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): 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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99624

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