



ME-150

31477™

Description

Organism: *Mus musculus*, mouse

Clone type: Clone

Host: *Escherichia coli* chi-1776; K-12 chi-1776; GMBH chi-1776

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Patent number:

4,322,499

Technical information: ATCC Product Experience does not have technical information on patent deposits that are not produced or characterized by ATCC. Additional information can be found in the corresponding patent available from the patent holder or with the U.S. and/or international patent office.

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Product format: Freeze-dried

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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): 0.14000000000000001

Type of DNA: cDNA

Insert source: pituitary tumor AtT-20/D-16v cell line

Insert tissue: pituitary tumor AtT-20/D-16v cell line

Genome: mouse

Chromosome: 19

19

Gene name: pro-opiomelanocortin-beta

Gene product: pro-opiomelanocortin-beta [Pomc2]

Gene symbol: Pomc2

Contains complete coding sequence: Unknown

Insert end: HaeIII

Vector Information

Construct size (kb): 4.5

Intact vector size: 4.363

Vector name: pBR322

Type of vector: plasmid

Construction: pBR313

Host range: *Escherichia coli*

Vector end: HindIII

Vector information:

Cross references: DNA Seq. Acc.: J01749

Cloning sites: EcoRI; ClaI; HindIII; EcoRV; BamHI; SphI; SalI; XmaIII; NruI; BspMI; BsmI; StyI; Aval; Ball; BspMII; PvuII; Tth111I; NdeI; AflIII; PpaI; PstI; PvuI; Scal; SspI; AatII

Markers: ampR; tetR

Replicon: pMB1

Growth Conditions

Medium:

ATCC Medium 1083: LB medium for chi 1776

Temperature: 37°C

Notes

For growth of the host strain, the medium must contain DAP (diaminopimelic acid) at a concentration of 100 mg/L and thymidine at a concentration of 20 mg/L.

- ATCC staff

Encodes amino acids 44-90 of beta-lipotropin and amino acids 1-30 of beta-endorphin. HindIII linkers were added during construction.

- U.S. Pat. 4,322,499 dated Mar. 30, 1982

.patent

Material Citation

If use of this material results in a scientific publication, please cite the material in the

following manner: ME-150 (ATCC 31477)

References

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

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Revision

This information on this document was last updated on 2025-03-21

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