



pTSEC

87792™

Description

This vector overproduces yeast truncated cystathionine beta-synthase (CBS). The truncated version was made by using PCR to insert two nonsense codons (TAA and TAG) after the site encoding the residue 353 amino acid of the full length CBS (F-CBS) gene on pF-SEC (ATCC# 87791). [?Biochemistry 39: 10548-10556,](#)

2000

Clone type: Vector

Genotype: E. coli CB149 genotype: delta trp EDCBA2 hsdR514 (rk- mk+) supE44 supF58 lacY1 lacU169 galK2 galT22.

Deposited As: *Saccharomyces cerevisiae* Hansen, teleomorph

Shipping information: *Escherichia coli* containing the plasmid in glycerol stock

Storage Conditions

Product format: Frozen

Storage conditions: -80°C or colder

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

Gene product: cystathionine beta synthase

Vector Information

Construct size (kb): 5.679999828338623

Vector name: pTSEC (plasmid)

Construction: pSTR4-2

Vector information: primer site: 5'-TTGACAATTAATCATCCGGC-3'

Markers: ampR

Primer site: 5'-TTGACAATTAATCATCCGGC-3'

Promoters: Ptrc

Terminator: rrnBT1; rrnBT2

Growth Conditions

Medium:

ATCC Medium 1227: LB Medium (ATCC medium 1065) with 50 mcg/ml ampicillin

Temperature: 37°C

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pTSEC (ATCC 87792)

References

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

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