



pEX_EF1_CFP-VAMP2 plasmid in *E. coli*

10089252™

Description

This cDNA clone expresses vesicle-associated membrane protein 2, Vamp2, N-terminally tagged with CFP, under the control of the EF1 promoter in WEHI-231 cells (ATCC CRL-1702).

-www.afcs.llbl.gov/reports/v1/DA0002/DA0002.pdf

The order of features in this construct are: EF1promoter 21-1204; CFP 1230-1946; attB1 1956-1980; VAMP2 1986-2336; attB2 2338-2363; Kan resistance 3663-4457.

Organism: *Mus musculus*, mouse

Shipping information: *Escherichia coli* GC10 containing the plasmid

Storage Conditions

Product format: Freeze-dried

Storage conditions: 2°C to 8°C

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): 0.35

Type of DNA: cDNA

Gene product: Vesicle-associated membrane protein 2, Vamp2; Synaptobrevin II, Syb2

Vector Information

Construct size (kb): 5.767

Type of vector: expression

Vector information:

Marker for bacterial selection: KanR

Marker for mammalian selection: neomycin

Markers: neoR; kanR

Promoters: EF1

Putative target: Exocytic and endocytic pathways

Growth Conditions

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Product Sheet

Medium:

ATCC Medium 1236: LB Medium (ATCC medium 1065) with 25 mcg/ml kanamycin

Temperature: 37°C

Handling Procedures

Aseptically add 0.3 to 0.4 mL of liquid medium to the freeze-dried pellet and mix well. Transfer 100 μ L to a test tube containing 5 mL LB+25mg/mL of kanamycin. A loopful of culture can also be streaked on an LB + kan agar plate. Incubate cultures at 37°C. Isolate DNA using standard plasmid preparation procedures.

Notes

The ATCC has confirmed the presence of the following NcoI fragments (in bp): 2772, 2292, 703.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pEX_EF1_CFP-VAMP2 plasmid in E. coli (ATCC 10089252)

References

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

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