# pFa6a-HIS3MX6-PADH1

87811™

## Description

ADH promoter-containing vector for PCR-based genetic modification in *Saccharomyces cerevisiae*. The marker and promoter are flanked by the F4 primer site (5?) and the R6 primer site (3?). The size of the F4/R6 PCR product should be 1849 nt. It contains a functional truncated (700 nt) ADH promoter immediately upstream of the BNI4 gene. The promoter is not down regulated during the exponential phase. Overexpression of BNI4p causes cells to grow with multiple, elongated buds. The sequence of the F4 primer is: 5? ? (gene-specific sequence) GAATTCGAGCTCGTTTAAAC ? 3?.The sequence of the R6 primer is: 5? ? (gene-specific sequence) CATTGTATATGAGATAGTTGA ? 3?.

**Clone type:** Vector
**Deposited As:** E. coli
**Shipping information:** *Escherichia coli* containing the plasmid

## Storage Conditions

**Product format:** Frozen
**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.

## Vector Information

**Construct size (kb):** 4.492000102996826

## 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 gave the following sizes (in kb): BglII 4.4 ; SalI/BglII 3.6, 0.8 ; EcoRI 4.4. ATCC Staff

## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pFa6a-HIS3MX6-PADH1 (ATCC 87811)

## 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 2024-10-25

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