# pET-His

**87036™**

## Description

This is an expression vector able to produce a fusion protein tagged with histidne. It was constructed from the pET3a vector by insertion of a double stranded oligonucleotide linker between the NdeI and BamHI sites, creating three restriction sites and encoding 6 His residues. Digestion with NcoI, BamHI or XhoI and subsequent filling of ends, allows cloning of blunt-ended fragments with a +0, +1 (C) or +2 (GA) nucleotide reading frame, respectively. Fusion proteins can be purified using a nickel-chelating column, even under denaturing conditions.

**Clone type:** Vector

**Host:** *Escherichia coli* HB101 (ATCC 33694)

**Shipping information:** *Escherichia coli* 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

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*(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):** 4.636
**Vector name:** pET-His (plasmid)
**Type of vector:** plasmid
**Construction:** pET3a
**Markers:** ampR
**MCS:** NdeI...BamHI
**Promoters:** T7 (phi10)
**Replicon:** pMB1
**Terminator:** phi10

## 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): BamHI 4.6 ; EcoRI

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|---|---|
| 4.6 ; BglI 2.5, 2.1, 0.25. | ATCC Staff |

## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pET-His (ATCC 87036)

## 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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