



# pASK84

87094™

## Description

This is an immunoglobulin expression vector allowing cloning of variable region domains and efficient purification of Fab fragments via immobilized metal affinity chromatography. It contains the mouse immunoglobulin heavy chain region, part of the hinge region and the mouse immunoglobulin kappa constant region. The heavy chain and light chain variable regions may be cloned into the PstI-EcoRI-BstEII and SstI-Pml-XhoI multiple cloning sites respectively. The other unique restriction sites (XbaI NcoI HindIII) may be used for subcloning or exchange of immunoglobulin constant regions. Grow at 22<sup>0</sup> C for expression.

**Organism:** *Mus musculus*, mouse

**Clone type:** Vector

**Shipping information:** *Escherichia coli* containing the plasmid

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## Storage Conditions

**Product format:** Freeze-dried

**Storage conditions:** 2°C to 8°C

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## 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.

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## BSL 1

ATCC determines the biosafety level of a material based on our risk assessment as

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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](http://www.atcc.org).

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## Insert Information

**Insert size (kb):** 0.31

**Type of DNA:** genomic

**Gene product:** immunoglobulin gamma 1 (Gm marker)(immunoglobulin heavy chain constant region, gamma 1) [IgkC]

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## Vector Information

**Construct size (kb):** 4.586999893188477

**Vector name:** pASK84 (plasmid)

**Type of vector:** plasmid

**Construction:** pASK30, pASK37-IgG1

**Vector information:**

leader peptide: phoA

signal peptide coding region: ompA

epitope tag: hexahistidine sequence (6-His)

**Coding sequence:** Ig gamma 1 constant region; Ig kappa constant region

**Markers:** ampR

**Promoters:** Expression: lacUV5

**Replicon:** f1; pMB1

**Repressor gene:** lacI

**Restriction sites:** HindIII; NcoI; XbaI

**Terminator:** lpp

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## Growth Conditions

**Medium:**

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

**Temperature:** 37°C

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## Notes

Restriction digests of the clone gave the following sizes (in kb): NcoI/XbaI 4.0, 0.5 ;  
HindIII/NcoI 4.0, 0.5 ; EcoRI 4.6. ATCC Staff

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pASK84 (ATCC 87094)

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## References

References and other information relating to this material are available at [www.atcc.org](http://www.atcc.org).

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