



# Galpha transducin [pBN40, pGalpha t1- WT]

87053™

## Description

**Organism:** *Bos taurus*, cow

**Clone type:** Clone

**Host:** *Escherichia coli* MC1061p3

## Storage Conditions

**Product format:** Freeze-dried

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

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## Insert Information

**Insert size (kb):** 1.2110000000000001

**Type of DNA:** cDNA

**Insert information:**

DESCRIPTION OF INSERT COMPONENT:

transducing (transducin) activity polypeptide 1

Insert 5' end: EcoRI

Insert 3' end: HindIII

Cross references: DNA Seq. Acc.: X02440

Nucleotides 1-1211 of the insert correspond to nucleotides 75-1285 of X02440.

**Genome:** Bos taurus

**Target gene:** guanine nucleotide binding protein (G protein), alpha transducing (transducin) activity polypeptide 1

**Gene name:** guanine nucleotide binding protein (G protein), alpha

**Gene product:** guanine nucleotide binding protein (G protein), alpha transducing (transducin) activity polypeptide 1(transducin alpha-1 chain) [GNAT1]

**Gene symbol:** GNAT1

**Contains complete coding sequence:** Yes

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## Vector Information

**Construct size (kb):** 5.210000038146973

**Intact vector size:** 4.000

**Vector name:** pcDNA If

**Type of vector:** phagemid

**Host range:** vertebrate cells

**Vector end:** EcoRI; HindIII

**Cloning sites:** EcoRI; PstI; HindIII; XhoI; SphI; NsiI; XbaI; ApaI

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Product Sheet

**Enhancer:** CMV

**Markers:** supF

**Polylinker sites:** EcoRI; PstI; HindIII; XhoI; SphI; NsiI; XbaI; ApaI

**Promoters:** CMV; T7; SP6

**Replicon:** polyoma; ColE1; M13

**Terminator:** SV40

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## Growth Conditions

### Medium:

ATCC Medium 1890: LB medium (ATCC medium 1065) with 12 mcg/ml tetracycline and 100 mcg/ml ampicillin

**Temperature:** 37°C

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## Notes

Restriction digests of the clone give the following sizes (kb): BamHI--5.4; EcoRI/HindIII--4.1, 1.3; SstI--3.9, 1.2, 0.23.

- ATCC staff

Insert contains the following restriction sites (approximate kb from the 5' end): BamHI--0.68; BglII--1.00; NcoI--0.06; PstI--1.15; SacI--0.98, 1.12; SmaI--0.54; SphI--0.78.

- GenBank/EMBL/DDBJ

Deposited with the understanding that the DNAs not be used in human experiments.

Restriction site(s) at the 3' end of the insert for linearizing the construct:

XhoI, XbaI, NotI, NsiI.

- personal communication

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: Galpha transducin [pBN40, pGalpha t1-WT] (ATCC 87053)

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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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## Revision

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Product Sheet

### Contact Information

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