



# GnRHR

79560<sup>TM</sup>

Product Sheet

## Description

**Organism:** *Homo sapiens*, human

**Clone type:** Clone

**Host:** *Escherichia coli* MC1061p3

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## Storage Conditions

**Product format:** Freeze-dried

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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 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.

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## Certificate of Analysis

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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):** 1.5600000000000001

**Type of DNA:** cDNA

**Insert source:** pituitary

**Insert tissue:** pituitary

**Insert information:**

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique

Cross references: DNA Seq. Acc.: L03380

**Genome:** Homo sapiens

**Target gene:** gonadotropin-releasing hormone receptor

**Gene name:** gonadotropin-releasing hormone receptor

**Gene product:** gonadotropin-releasing hormone receptor [GRHR]

**Gene symbol:** GRHR

**Contains complete coding sequence:** Yes

**Insert end:** EcoRI

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## Vector Information

**Construct size (kb):** 5.55999942779541

**Intact vector size:** 4.000

**Vector name:** pcDNA 1

**Type of vector:** phagemid

**Host range:** vertebrate cells

**Vector end:** EcoRI

**Cloning sites:** HindIII; BamHI; BstXI; EcoRI; PstI; EcoRV; NotI; Xhol; SphI; NsiI; XbaI

**Enhancer:** CMV

**Markers:** ampR; tetR; supF

**MCS:** HindIII...XbaI, ->

**Polylinker sites:** HindIII; BamHI; BstXI; EcoRI; PstI; EcoRV; BstXI; NotI; Xhol; SphI; NsiI; XbaI

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**Promoters:** CMV; T7; SP6

**Replicon:** polyoma ori; SV40; pMB1; M13 ori, ←

**Terminator:** SV40 polyadenylation, ->

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## Growth Conditions

### Medium:

ATCC Medium 1235: LB Medium (ATCC medium 1065) with 5 mcg/ml tetracycline and 10 mcg/ml ampicillin

**Temperature:** 37°C

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## Notes

Restriction digest of the clone give the following sizes (kb): EcoRI--4.0, 1.55; BamHI--4.95, 0.6; HindIII--4.3, 0.8, 0.4; PstI--4.65, 0.9; PvuII--2.2, 1.8, 1.55.

- ATCC staff

Contains the complete coding sequence (nt 56-1042).

- Biochem. Biophys. Res. Commun. 189: 289-295, 1992

Detects a 5.0 kb RNA transcript in human pituitary.

- Biochem. Biophys. Res. Commun. 189: 289-295, 1992

The following primers can be used to amplify an 800 bp DNA fragment contained in the gene: upstream 5'-GCTTGAAGCTCTGTCCTGGGA-3'; downstream 5'-CCTAGGACATAGTAGGG-3'.

- Biochem. Biophys. Res. Commun. 189: 289-295, 1992

When transfected into COS-7 cells, expresses a high-affinity receptor.

- Biochem. Biophys. Res. Commun. 189: 289-295, 1992



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The insert contains the following restriction sites (approximate kb from the 5' end): BamHI--0.55; HindIII--0.42, 1.26; NdeI--1.06; Ncol--0.53; PstI--0.65; PvuII--0.70; SphI--1.42.

- Biochem. Biophys. Res. Commun. 189: 289-295, 1992

Transcription from the T7 promoter gives the sense strand.

- Biochem. Biophys. Res. Commun. 189: 289-295, 1992

More information may be available from ATCC  
(<http://www.atcc.org> or 703-365-2700).

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: GnRHR (ATCC 79560)

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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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