



# pSLH16 [transgene 2] 79012™

## Description

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

**Clone type:** Clone

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

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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

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):** 14.4

**Type of DNA:** genomic

**Insert information:**

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique  
hypercholesterolemia)

Cross references:

**Genome:** Homo sapiens

**Chromosome:** 19

19 p13.2

**Target gene:** low density lipoprotein receptor (familial hypercholesterolemia)

**Gene name:** low density lipoprotein receptor (familial

**Gene product:** low density lipoprotein receptor (familial hypercholesterolemia)(low density lipoprotein receptor) [LDLR]

**Gene symbol:** LDLR

**Alleles:** A2, E1, E2, A1, A2, B1, B2, D1, D2, K1, K2, Q1, Q2, S2, A1, S1

**Contains complete coding sequence:** Unknown

**Insert end:** NotI

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## Vector Information

**Construct size (kb):** 17.29998970031738

**Intact vector size:** 2.900

**Vector name:** pTZ18R

**Type of vector:** phagemid

**Construction:** pUC18, Escherichia coli lacZalpha, pBR322, f1

**Host range:** *Escherichia coli*

**Vector end:** NotI

**Cloning sites:** EcoRI; SacI; KpnI; SmaI; BamHI; XbaI; Sall; Accl; HincII; PstI; SphI; HindIII

**Enhancer:** none

**Insert detection:** lacZ'

**Markers:** ampR

**Polylinker sites:** EcoRI; SacI; KpnI; SmaI; BamHI; XbaI; Sall; AccI; HincII; PstI; SphI; HindIII

**Promoters:** lac; T7

**Replicon:** pMB1; f1

**Terminator:** none

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## Growth Conditions

**Medium:**

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

**Temperature:** 30°C

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## Notes

Restriction digests of the clone give the following sizes (kb): Sall--14.8, 2.5;

EcoRI--12.8, 4.5; BglII--14.0, 3.3; SstI--17.3; NotI--14.4; 2.9.

- ATCC staff

The insert includes the following restriction sites: Sall (intron 1, 2.0 kb from the 5' NotI site); BglII (intron 3); EcoRI (cDNA segment).

- personal communication

The NotI fragment consists of the following elements: the mouse metallothionein promoter I (1.7 kb); exon 1 of LDLR, containing a SstII site; intron 1 truncated by deletion of a RsaI (77 nt 3' to exon 1) / EcoRI (3.1 kb 5' to exon 2) fragment;

- J. Cell Biol. 111: 347-359, 1990

exons and introns 2-4; a cDNA fragment corresponding to exons 5-18; and transcription termination and polyadenylation signals from the human growth hormone receptor gene (0.6 kb).

- J. Cell Biol. 111: 347-359, 1990

Encodes the normal sequence.

- J. Cell Biol. 111: 347-359, 1990

The expected size of the correctly processed mRNA is 2.9 kb.

- J. Cell Biol. 111: 347-359, 1990

More information may be available from ATCC (<http://www.atcc.org> or 703-365-2620).

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## Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: pSLH16 [transgene 2] (ATCC 79012)

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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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