



# p67-10

## 79080™

Product Sheet

### Description

Detects:

Genome: *Homo sapiens*

Gene symbol: NCF2

Type of nucleic acid: genomic

Restriction enzyme: HindIII

Invariant bands (kb): 13, 12

Number of alleles: 2

Type of polymorphism: site

Alleles:

Allele Freq. Size (kb) Strains

A1 0.80 3.8

A2 0.20 2.1

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

**Clone type:** Clone

**Host:** *Escherichia coli* JM109 (ATCC 53323)

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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):** 2.1600000000000001

**Type of DNA:** cDNA

**Insert source:** HL-60 cell line (promyelocytic), differentiated

**Insert tissue:** HL-60 cell line (promyelocytic), differentiated

**Insert information:**

DESCRIPTION OF INSERT COMPONENT:

Genomic copy number: unique  
disease, autosomal 2)

Cross references: DNA Seq. Acc.: M32011

**Genome:** Homo sapiens

**Chromosome:** 1

1 cen-q32

**Target gene:** neutrophil cytosolic factor 2 (65kD, chronic granulomatous disease, autosomal 2)

**Gene name:** neutrophil cytosolic factor 2 (65kD, chronic granulomatous

**Gene product:** neutrophil cytosolic factor 2 (65kD, chronic granulomatous disease, autosomal 2)(neutrophil cytosolic factor 2) [NCF2]

**Gene symbol:** NCF2

**Alleles:** A1, A2

**Contains complete coding sequence:** Yes

**Insert end:** Modification: EcoRI linkers

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## Vector Information

**Construct size (kb):** 5.199999809265137

**Intact vector size:** 2.960

**Vector name:** pBluescript SK-

**Type of vector:** phagemid

**Construction:** pUC19

**Host range:** *Escherichia coli*

**Vector end:** EcoRI

**Cloning sites:** KpnI; Apal; DralI; XhoI; Sall; HincII; Accl; ClaI; HindIII; EcoRV; EcoRI; PstI; SmaI; BamHI; SpeI; XbaI; EagI; NotI; SacII; BstXI; SacI

**Insert detection:** lacZ', <-

**Markers:** ampR

**MCS:** KpnI...SacI, ->

**Polylinker sites:** SacI; BstXI; SacII; NotI; EagI; XbaI; SpeI; BamHI; SmaI; PstI; EcoRI; EcoRV; HindIII; (ClaI Bsp106I); (HincII Accl Sall); XhoI; (Eco0109I DralI Apal); KpnI

**Primer site:** M13-20, ->; M13 reverse, <-

**Promoters:** T3; T7

**Replicon:** f1, →; pMB1

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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 give the following sizes (kb): EcoRI--2.9, 2.1;

SstI--3.7, 0.9, 0.41; BamHI--4.0, 1.0; BglII--5.1; PstI--5.1.

- ATCC staff

Contains the complete coding sequence (nt 68-1648).

- Science 248: 727-730, 1990

Detects a transcript of 2.4 kb.

- Science 248: 727-730, 1990

The insert contains the following restriction sites (approximate kb from the 5' end): SacI--0.84, 1.22; BamHI--0.97; BglII--0.78; SmaI--1.17.

- Science 248: 727-730, 1990

Enzymes(s) not detecting polymorphism: Aval, BamHI, EcoRI, KpnI, PstI, SacI, XhoI.

- Nucleic Acids Res. 18: 7193, 1990

The polymorphism was detected with a 0.84 kb EcoRI/SacI fragment.

- Nucleic Acids Res. 18: 7193, 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: p67-10 (ATCC 79080)

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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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