



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)

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.

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

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

Growth Conditions

Medium:

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

Temperature: 37°C

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).

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: p67-10 (ATCC 79080)

References

References and other information relating to this material are available at www.atcc.org.

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