

# Certificate of Analysis

Project ID: U4129CB060-8  
Lot No.: U4129CB060S-8/G121359  
Plasmid Name: TP53 (R248Q) pcDNA5/TO  
Quantity: 100 µg(0.1 mg each,1 vial) Concentration: 1 mg/mL  
Final Volume: 100 µl Final Buffer: TE

| QC Items            | Specifications   | Results |  |
|---------------------|--|---------|--|
| Appearance          | Colorless, clear, free of precipitate or foreign particles   | Pass    | Colorless, clear, free of precipitate or foreign particles |
| Identity            | Co-migrates with reference DNA and/or size confirmed versus marker                                       | Pass    | Confirmed  |
| Restriction Digests | Matches expected test  | Pass    | Matched<br>Shown in attachment 1                           |
| OD260/OD280         | 1.8-2.0  | Pass    | 1.88   |
| Residual RNA        | Not visible on agarose gel   | Pass    | Invisible  |
| Genomic DNA         | Not visible on agarose gel   | Pass    | Invisible  |
| Endotoxin           | <input checked="" type="checkbox"/> ≤ 0.01 EU/µg<br><input type="checkbox"/> No QC testing requested     | Pass    | ≤ 0.01 EU/µg   |
| Bio-Burden Assay    | <input checked="" type="checkbox"/> Bio-Burden Assay<br><input type="checkbox"/> No QC testing requested | Pass    | No viable organism   |
| Additional Test     |  | N/A     |  |

## NOTE

| Shipping at      | Plasmid Storing at | Bacstab Storing at | Glycerol Stock Storing at |
|------------------|--------------------|--------------------|---------------------------|
| Room Temperature | -20°C              | 4°C                | -20°C/-80°C               |

Certified *Morgan* Date: 2017/3/14

Thank you for your patronage to our Gene services! To maintain this working relationship, we shall be grateful if you can add our webpage URL into your lab website. As a token of appreciation, you will be rewarded by 1,000 EZcoupon™ points. For more information, please contact us by e-mail at [web@genscript.com](mailto:web@genscript.com).

For research use only

860 Centennial Ave., Piscataway, NJ 08854, USA

Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

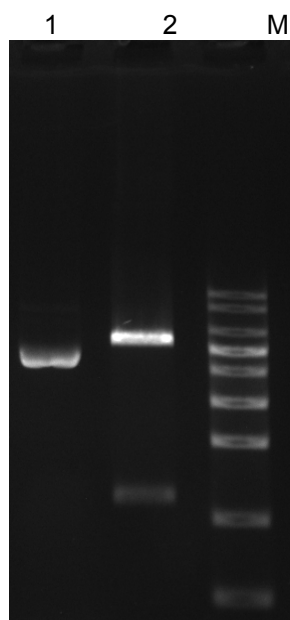
Fax: 1-732-210-0262

Email: [order@genscript.com](mailto:order@genscript.com)

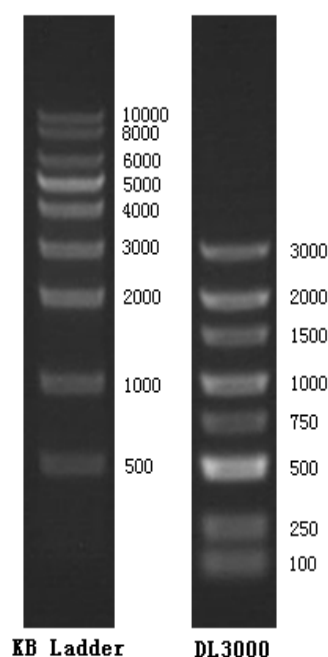
Web: [www.genscript.com](http://www.genscript.com)

Attachment 1

# Enzyme Digestion



Lane M: KB Ladder  
Lane 1: U4129CB060-8 plasmid  
Lane 2: U4129CB060-8 plasmid digested  
by BamHI and XhoI



## Digestion Conditions:

About 300ng plasmid digested  
Digestion in water-bath, 37°C for 40 minutes  
1% Agarose Gel

For research use only

860 Centennial Ave., Piscataway, NJ 08854, USA

Toll-Free: 1-877-436-7274

Tel: 1-732-885-9188

Fax: 1-732-210-0262

Email: [order@genscript.com](mailto:order@genscript.com)

Web: [www.genscript.com](http://www.genscript.com)