

# Certificate of Analysis

Project ID: U194RFE240-7

**Construct Information:**

Gene Name: s\_prot\_pcDNA3.1(+)      Gene Length: 3842 bp  
 Clone ID: N87000      Cloning Strategy: BamHI/NotI  
 Cloning Vector: pcDNA3.1(+)

**Growth in Bacteria:**

Plasmid resistance: Ampicillin  
 Suggested competent cell: JM108  
 Growth Temperature: 37 °C

**Sequencing primer(s) \*:**

PEGFP-N-5: TGGGAGGTCTATATAAGCAGAG  
 BGH: TAGAAGGCACAGTCGAGG

\*: The primers are located at the 5'and/or 3'sides of MCS region.

Default	Shipping at	Plasmid Storing at	Bacstab Storing at	Glycerol Stock Storing at
Lyophilized	Room Temperature	-20 °C	4 °C	-80 °C

QC Items	Specifications	Results	
Sequencing Alignment	Sequencing results are consistent with the targeted insert sequence.	Pass	Consistent
Vector Sequence	The flanking sequences of the cloning site are correct.	Pass	Correct Shown in the SQD file
Restriction Digests	The size of inserted fragment is correct and free of unexpected bands.	Pass	Correct Shown in attachment 1
DNA Quality	Miniprep: 4 µg OD260/280=1.8~2.0 Free of contamination	Pass	≥ 4 µg OD260/280=1.91 Pure
Quality Grade	Research Grade	Pass	Research Grade
Appearance	Clear and free of foreign particles.	Pass	Clear Free of foreign particles
Additional Test	N/A	N/A	

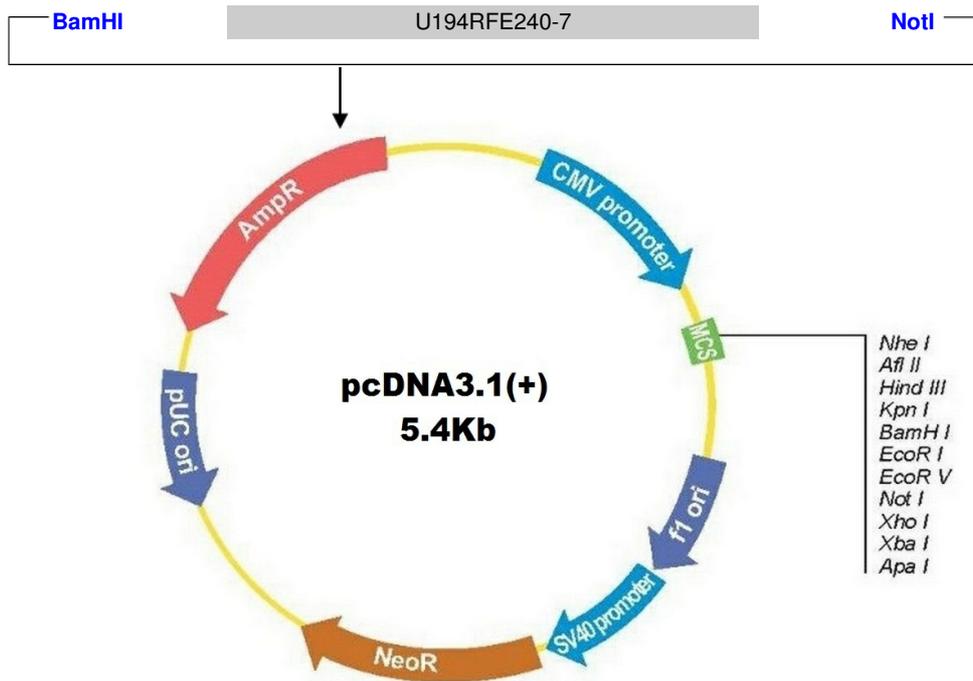
Certified by: *Morgan Wu*      Date: 06/10/2020

For research use only

860 Centennial Ave., Piscataway, NJ 08854, USA

Plasmid Construct Map

The gene was cloned in pcDNA3.1(+) by BamHI/NotI .



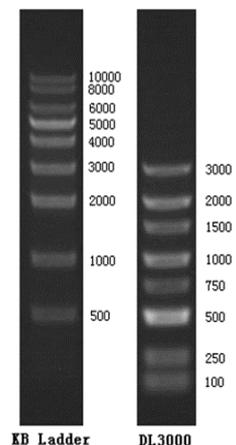
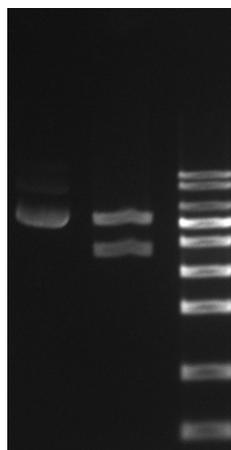
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--- AGC TGG CTA GCG TTT AAA CTT AAG CTT GGT ACC GAG CTC GGA TCC ACT AGT CCA GTG TGG TGG AAT TCT ---
           Nhe I           Afl II           Kpn I           BamH I           EcoR I
           Hind III
GCA GAT ATC CAG CAC AGT GGC GGC CGC TCG AGT CTA GAG GGC CCG TTT AAA C ---
           EcoR V           Not I           Xba I           Apa I
           Xho I
    
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**Notes:** This map is based on a commercial vector. Some of the clone sites may be lost after cloning.

Enzyme Digestion

1 2 M



Lane M: KB Ladder  
Lane 1: U194RFE240-7 plasmid  
Lane 2: U194RFE240-7 plasmid digested by BamHI and NotI

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

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