

Certificate of Analysis

 Project ID: U9701FB170-1
Construct Information:

Gene Symbol:	<u>CBS_OHu26151C_pcDNA3.1(+)-N-eGFP</u>	Cat No:	<u>OHu26151C</u>
Clone ID:	<u>G30984</u>	Gene Length:	<u>1668 bp</u>
Cloning Vector:	<u>pcDNA3.1(+)-N-eGFP</u>	Cloning Strategy:	<u>KpnI/EcoRI</u>

Growth in Bacteria:

Plasmid resistance: Ampicillin
Suggested competent cell: TOP10
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: 10 µg OD260/280=1.8~2.0 Free of contamination	Pass	≥ 10 µg OD260/280=1.84 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	

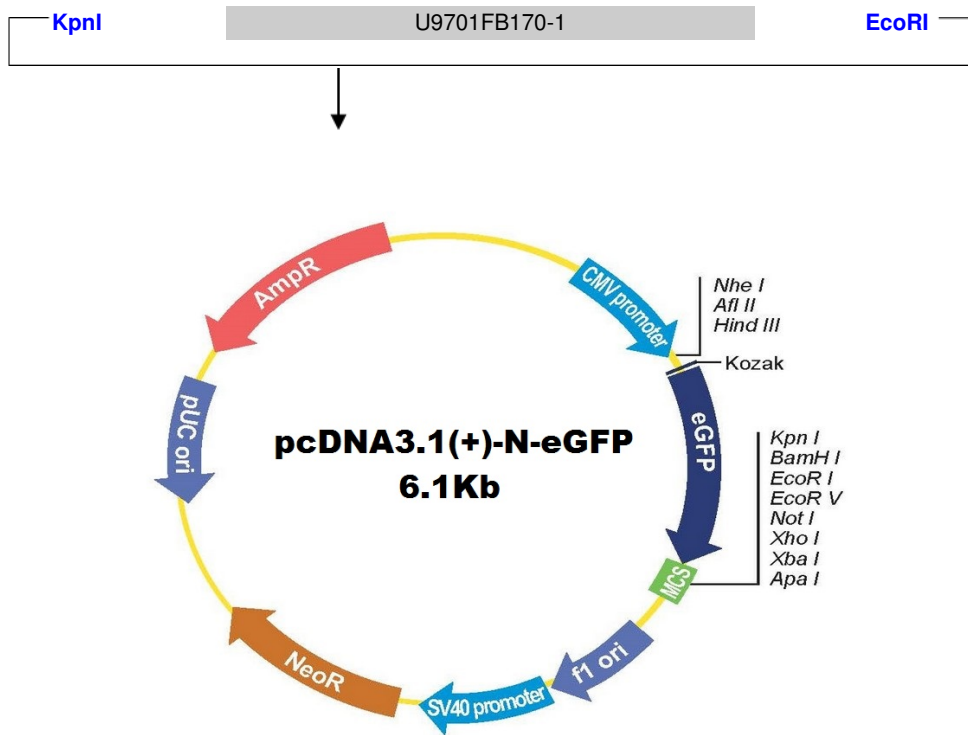
 Certified by: *Felix Yu* Date: 03/18/2020

For research use only

860 Centennial Ave., Piscataway, NJ 08854, USA

Plasmid Construct Map

The gene was cloned in pcDNA3.1(+)-N-eGFP by KpnI/EcoRI .

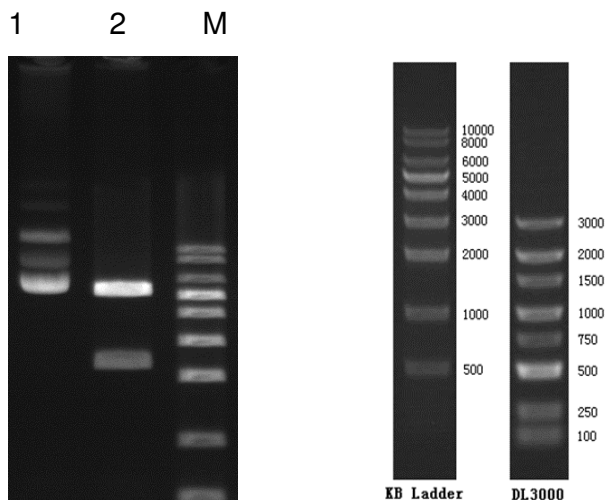


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--- AGC TGG CTA GCG TTT AAA CTT AAG CTT GCC ACC ATG AGC AAG GGC ... 684bp ... ATG GAC GAG CTG TAC AAG
      Nhe I           Afl II           Kozak seq M S K G ... 228aa ... M D E L Y K
      Hind III
GGT ACC GAG CTC GGA TCC GAA TTC TGC AGA TAT CCA GCA CAG TGG CCG CCG CTC GAG TCT AGA GGG CCC GTT TAA AC ---
      Kpn I           BamH I           EcoR I           EcoR V           Xho I           Xba I           Apa I           Stop
    
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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



Lane M: KB Ladder
Lane 1: U9701FB170-1 plasmid
Lane 2: U9701FB170-1 plasmid digested by SmaI

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

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