

# Certificate of Analysis

Project ID: U354REJ240-1

**Construct Information:**

<b>Gene Symbol:</b>	<u>SOD1_OHu24018D_pcDNA3.1+/C-(K)-DYK</u>	<b>Cat No:</b>	<u>OHu24018D</u>
<b>Clone ID:</b>	<u>G93190</u>	<b>Gene Length:</b>	<u>462 bp</u>
<b>Cloning Vector:</b>	<u>pcDNA3.1+/C-(K)-DYK</u>	<b>Cloning Strategy:</b>	<u>CloneEZ</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	
<b>Sequencing Alignment</b>	Sequencing results are consistent with the targeted insert sequence.	Pass	Consistent
<b>Vector Sequence</b>	The flanking sequences of the cloning site are correct.	Pass	Correct Shown in the SQD file
<b>Restriction Digests</b>	The size of inserted fragment is correct and free of unexpected bands.	Pass	Correct Shown in attachment 1
<b>DNA Quality</b>	Miniprep: 10 µg OD260/280=1.8~2.0 Free of contamination	Pass	≥ 10 µg OD260/280=1.97 Pure
<b>Quality Grade</b>	Research Grade	Pass	Research Grade
<b>Appearance</b>	Clear and free of foreign particles.	Pass	Clear Free of foreign particles
<b>Additional Test</b>	N/A	N/A	

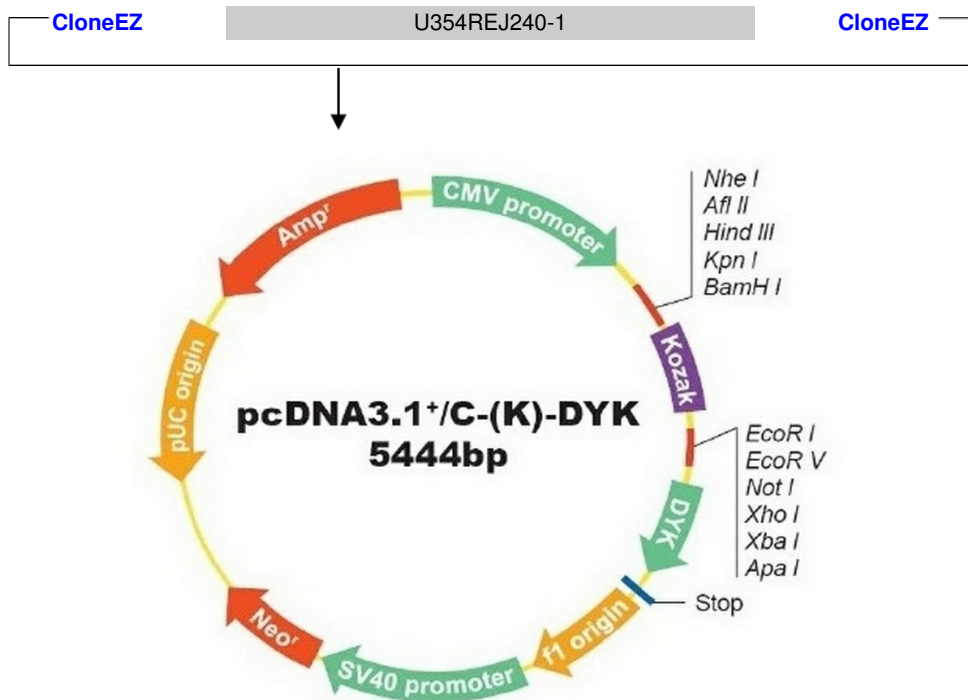
Certified by: *Felix* Date: 10/30/2019

For research use only

860 Centennial Ave., Piscataway, NJ 08854, USA

Plasmid Construct Map

The gene was cloned in pcDNA3.1+/C-(K)-DYK by CloneEZ .



5' insert site of ORF by CloneEZ

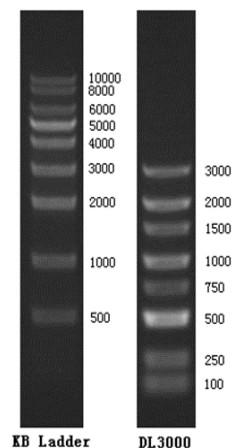
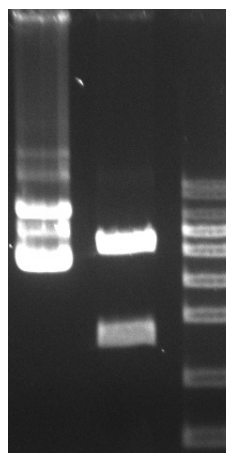
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--- AGC TGG CTA GCG TTT AAA CTT AAG CTT GGT ACC GAG CTC GGA TCC GCC ACC GAA TTC TGC AGA TAT CCA
      Nhe I           Afl II           Kpn I           BamH I           EcoR I           EcoR V
GCA CAG TGG CGG CCG CTC GAG TCT AGA GGG CCC GAT TAC AAG GAT GAC GAC GAT AAG TGA TAA ---
      Not I           Xho I           Xba I           Apa I           D Y K D D D D K Stop Stop
3' insert site of ORF by CloneEZ
    
```

**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: U354REJ240-1 plasmid  
Lane 2: U354REJ240-1 plasmid digested by BamHI and SmaI

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

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