

Certificate of Analysis

Project Tracking #
80-1048012668

Quote #
80-1048012668_R19

Clone ID #
AA47641-3/C911566

Sequence Name
97-237aa in pcDNA3.1

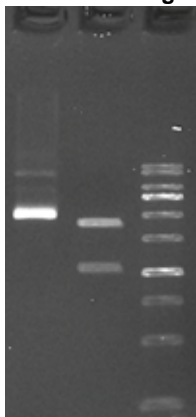
Cloning Vector
pcDNA3.1(+)

Cloning Sites
5' HindIII and 3' BamHI

Insert Length
504

QC Item	Specification	Results
Insert Sequence	Insert sequence results consistent with target	√ Pass
Vector Sequence	Flanking sequence consistent with expected	√ Pass
Open Reading Frame across junction	Correct and consistent with target	n/a
Restriction Digest	Expected fragment sizes observed	√ Pass
PCR amplification	Correct without non-specific bands	n/a
DNA Quantity and Quality	Actual yield (by A_{260})	4 ug
	Concentration (n/a if lyophilized)	n/a
	Purity ($A_{260}/A_{280} = 1.8 - 2.0$)	√ Pass
	# of tubes	1
	Matrix	TE (lyophilized)
Endotoxin Test	Verified, <0.1 EU/ug(endo-free preps only)	n/a
Appearance	Clear, no visible particles	√ Pass
Label	Correct and clear	√ Pass
Comments		

Restriction Digest Test Results

	<p>Lane Description(from left to right)</p> <p>Lane 1: undigested</p> <p>Lane 2: digested with Sall</p> <p>Lane 3: ladder</p>	<p>1kb ladder</p> <table><tr><th>bp</th><th>ng/5μl</th></tr><tr><td>10000</td><td>40</td></tr><tr><td>8000</td><td>40</td></tr><tr><td>6000</td><td>40</td></tr><tr><td>5000</td><td>100</td></tr><tr><td>4000</td><td>40</td></tr><tr><td>3000</td><td>40</td></tr><tr><td>2000</td><td>100</td></tr><tr><td>1500</td><td>40</td></tr><tr><td>1000</td><td>40</td></tr><tr><td>500</td><td>40</td></tr></table> <p>1% agarose</p>	bp	ng/5μl	10000	40	8000	40	6000	40	5000	100	4000	40	3000	40	2000	100	1500	40	1000	40	500	40
bp	ng/5μl																							
10000	40																							
8000	40																							
6000	40																							
5000	100																							
4000	40																							
3000	40																							
2000	100																							
1500	40																							
1000	40																							
500	40																							

Certified By

Wei qin Shen

Date

10/27/2022