

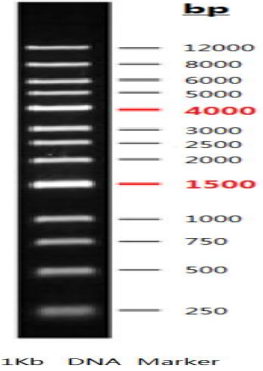
## Certificate of Analysis

<b>Gene Name</b>	TPx	<b>Cloning Vector</b>	pCDNA3.4
<b>Cloning Sites</b>	EcoRI(GAATTC)-BamHI(GGATCC)	<b>Insert Size</b>	678
<b>Competence</b>	Top10	<b>Vector Resistance</b>	Amp

## QC Results

Test Items	Specifications	Results
<b>Insert Sequence</b>	Insert sequence results consistent with target	Pass
<b>Vector Sequence</b>	Flanking sequence consistent with expected	N/A
<b>ORF Across Junction</b>	Correct and consistent with target	N/A
<b>Restriction Digest</b>	Expected fragment sizes observed	N/A
<b>PCR Amplification</b>	Correct without non - specific bands	Pass
<b>DNA Quantity/Quality</b>	Actual yield (by A 260 )	2µg/2µg
	Concentration (n/a if lyophilized)	N/A
	Purity (A 260/A280 = 1.8 - 2.0)	Pass
	# of Tubes	2
	Matrix	TE (lyophilized)
<b>Endotoxin Test</b>	Verified, <0.1 EU/µg (Endo-Free Preps Only)	N/A
<b>Appearance</b>	Clear, no visible particles	Pass
<b>Label</b>	Correct and white	Pass
<b>Comments</b>	-	-

## Restriction Digestion Map

	M	1	2
 <p>1Kb DNA Marker</p>			<p><b>Lane 1:</b> Plasmid</p> <p><b>Lane 2:</b> Plasmid Digested with EcoRI-BamHI</p> <p><b>Lane M:</b> DNA Marker</p>
<b>Certified by: m</b>			<b>Date: 20210702</b>

## Gene Sequence:

GAATTCGCCACCATGAAGTGGGTGACCTTCATCAGCCTGCTGTTCCCTGTTTCAGCTCCGC  
CTACAGCATGGCTGCTGCTGTGATCGGCAGGCCTGCTCCTGGATTCACTTGCAAGGCC  
CTGGTGGATGGCGAGCTGAAGGACGTTAGCCTGAGCGACTACAAGGGCAAGTACGTG  
ATCCTGTTTTTCTACCCTATGGACTTTACCTTTGTGTGTCCTACCGAGATCATCGCCTTTA  
ATGATAGAGCCGGCGAGTTTCACCAGAGAGGCTGTCAGCTGCTGGCCTGTTCCACCGA  
TAGCGCTTACTCCCACCTGGCCTGGAACAACGTGAGCAGGAAGGAGGGCGGCGTGCA  
AGGAATGAAGATCCCCATGCTGGCCGACACAAACCACAGAATCAGCAGGGATTACGG  
CGTGCAGATCGAGGAGCAGGGCGTTGCTCTGAGAGGCCTGTTTCATCATCGACGACAA  
GGGCATCCTGAGGCAGATCACCATCAATGATCTGCCTGTGGGCAGGTGTGTGGATGAG  
GCTCTGAGGCTGCTGGATGCCTTCCAGTTCACCGATAAGCACGGCGAGGTGTGTCCCG  
CTAACTGGAGACCTGGCTCCAAGGCTTTTAAGCCCAATGCCGGCGACCTGAAGTCCTT  
TATGAGCAGCAGACACCACCACCACCACCTGAGGATCC